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JVC LT-26X575/T SERVICE MANUAL

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SERVICE MANUAL

LCD FLAT TELEVISION

LT-26X575/T

BASIC CHASSIS
FL

I'Art Palette

D.I.S.T. Digital Image Scaling Technology

BBE

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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No.YA213
2004/9

SPECIFICATION

Items		Contents
Dimensions (W × H × D)		70.3cm × 55.5 cm × 30.0 cm [Included stand] 70.3cm × 49.1 cm × 10.7 cm [TV only]
Mass		19 kg [Included stand] 15.8kg [TV only]
Power Input		AC110V , 60Hz
Power Consumption		152W (Max)
TV RF System		CCIR (M)
Color System		NTSC
Sound System		BTSC (Multi Channel Sound)
Teletext System		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency	VHF Low VHF High UHF CATV	02ch to 06ch : 54MHz to 88MHz 07ch to 13ch : 174MHz to 216MHz 14ch to 69ch : 470MHz to 806MHz 54MHz to 804MHz Low Band : 02 to 06, A-8 by 02 to 06&01 High Band : 07 to 13 by 07 to 13 Mid Band : A to I by 14 to 22 Super Band : J to W by 23 to 36 Hyper Band : W+1 to W+28 by 37 to 64 Ultra Band : W+29 to W+84 by 65 to 94, 100 to 125 Sub Mid Band : A4 to A1 by 96 to 99
TV / CATV Total Channel		181 Channels [Reception of channel A-5 (“95” of the TV set’s on-screen CABLE channel) is recommended for your TV set.]
Intermediate Frequency	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5MHz)
Color Sub Carrier		3.58 MHz
LCD panel		26V-inch wide aspect (16:9)
Screen Size		Diagonal : 64.8cm (H:56.5cm × V : 31.8cm)
Display Pixels		Horizontal : 1280 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10W + 10W
Speaker		6.6cm, round type × 2 (Oblique corn)
Antenna terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1] 1125i / 750p 525p / 525i S-Video [INPUT-1/2] Video Audio	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 2 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 500mV (rms), High impedance, RCA pin jack × 6
Digital input	Video Audio	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal) Digital: HDMI connector × 1 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1257G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

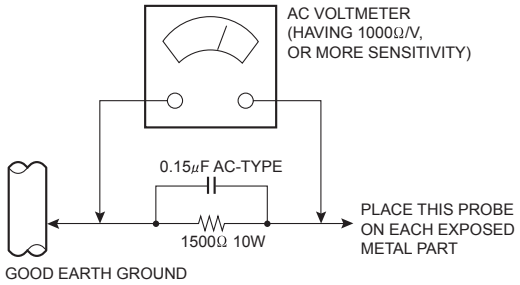
(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

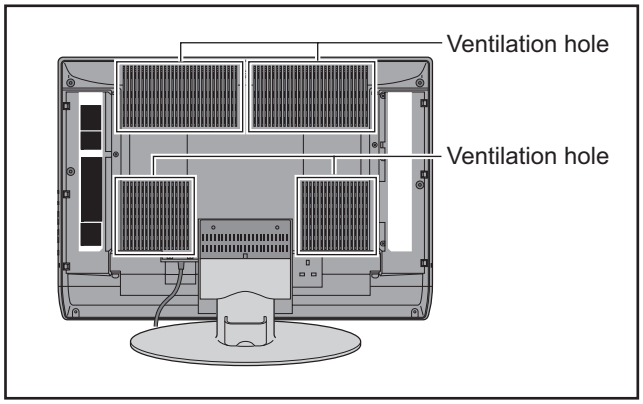
Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

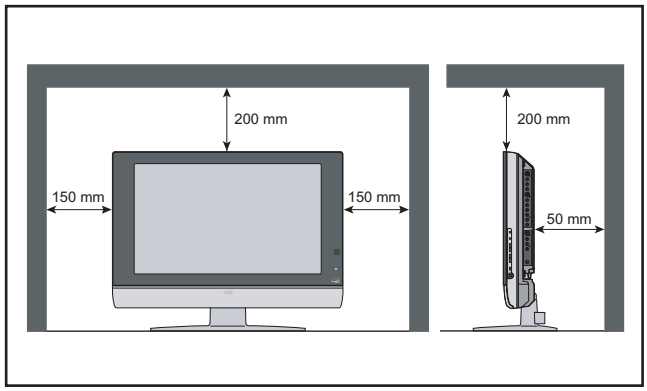
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.2.2 INSTALLATION REQUIREMENTS

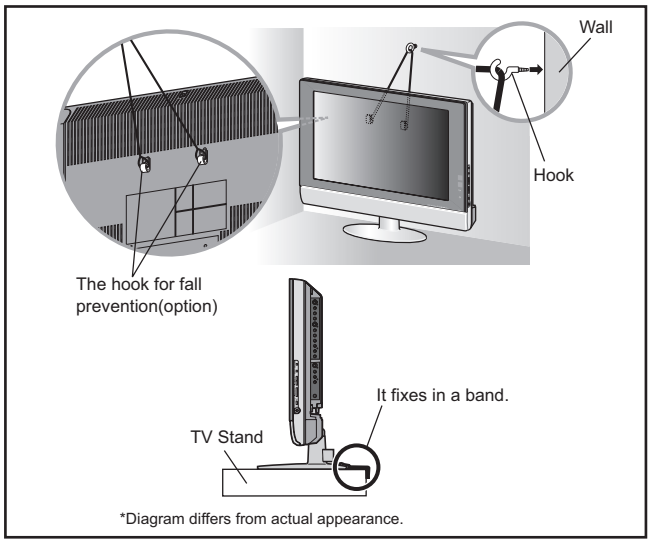
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks (OPTION) to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.



1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

D.I.S.T. (Digital Image Scaling Technology)
This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION
Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND
Decreases high sound levels, giving a regulated sound level.

VIDEO STATUS
Expression of a favorite screen can be chosen by the VIDEO STATUS function.
[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

DIGITAL INPUT
Digital-in will display when any picture signal (480i/ 480p, 720p/ 1080i) in Digital-in is displayed.

V-CHIP
Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO
The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA
Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

BBE
High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL
This function is used to label video input connections for the onscreen displays.

A.H.S.
Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

2.2 TECHNICAL INFORMATION

2.2.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.2.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Maximum dimensions (W × H × D)	646mm × 373mm × 51mm	
Weight	8.0kg	
Effective screen size	Diagonal: 648mm (H:565mm × V : 318mm)	26V type
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT, active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA>	3147264 dots in total
Pixel pitch (pixel size)	Horizontally:0.4135mm, Vertically:0.4135mm	
Displayed color	16777216 colors	256 colors for R, G, and B
Brightness	500cd/m^2	
Contrast ratio	800: 1	
Response time	15ms	
View angle	Horizontally: 170°, Vertically: 170°	
Surface polarizer	Anti-Glare type, Low reflective coat	
Color filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 14	
Power supply voltage in LCD	5V	
Power supply voltage in inverter	12V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.2.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

(1) BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

(2) DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

(3) FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.2.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock osillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYNC	I	V. sync for OSD
15	Xin	I	System clock osillation (crystal) : 16MHz	65	NC	O	Not used
16	Vccl	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	NC	O	Not used
22	OUT2	O	YM (transparence) for OSD	72	NC	O	Not used
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used : Digital tuner control	77	NC	O	Not used
28	CLK2	O	Not used : Digital tuner control	78	NC	O	Not used
29	RxD2	I	Not used : Digital tuner control	79	NC	O	Not used
30	TxD2	O	Not used : Digital tuner control	80	NC	O	Not used
31	SDA2	I/O	Not used	81	NC	O	Not used
32	DIGR1	O	R [1] for OSD	82	NC	O	Not used
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used : Card detection for ATSC digital tuner
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Not used : Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	NC	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	NC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

2.2.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

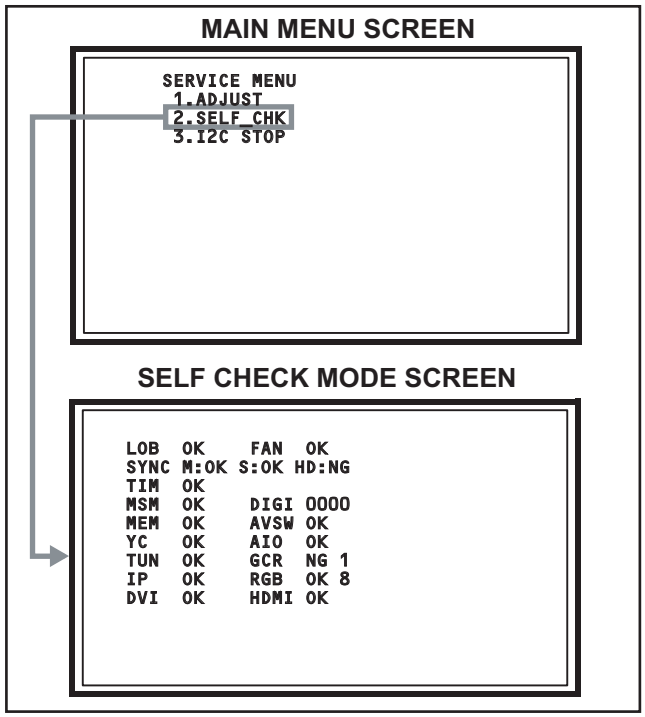
Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEP-ROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEP-ROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGII_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillatior	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillatior	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock osillation (crystal) : 16MHz	73	SBD5	I/O	Not used : Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock osillation (crystal) : 16MHz	74	SBT5	I	Not used : Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	No use : System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset =]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3
DISASSEMBLY

3.1 SYSTEM SETTEING

When the DIGITAL SIGNAL PWB is replaced or the DIGITAL INPUT is not normal, SYSTEM SETTING in the following procedure.

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
(3) When the Main Menu is displayed, press [2] key to enter the self check mode.
(4) Turn off the power by pressing the [POWER] key on the remote control unit.



3.2 DISASSEMBLY PROCEDURE

NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

CAUTION AT DISASSEMBLY

- Pay extra attention in the following matter when turning the power on with the REAR COVER removed.
  (1) Prior to disassembly, unplug the power cord from the AC outlet without fail. (Turn the power "off".)
  (2) Make sure that the **RECEIVER PWB: IC3102** is completely covered with black masking tape. (Fig.1)
  (3) Make sure to remove the masking of **RECEIVER PWB: IC3102** when attaching the REAR COVER.
  (4) Do not turn the power on until the REAR COVER is attached properly, after the masking is removed.

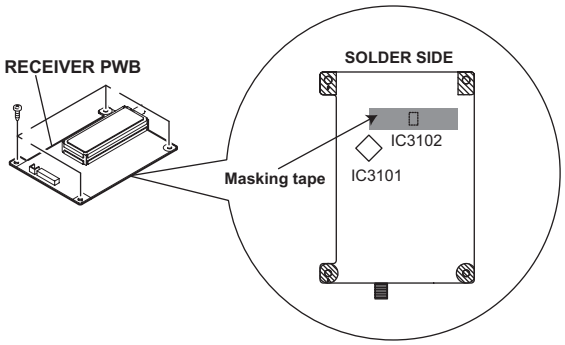


Fig.1

3.2.1 REMOVING THE STAND

(1) Remove the 2 screws **[A]**, Then remove the STAND COVER.
(2) Remove the 4 screws **[B]**, Then remove the STAND.

3.2.2 REMOVING THE REAR COVER

- Remove the STAND.
  (1) Remove the JACK COVER (L/R).
  (2) Remove the 7 screws **[C]**, 4 screws **[D]**, and 1 screws **[E]** .
  (3) Remove the REAR COVER.

CAUTION:

- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR COVER.

UNPLUG THE POWER CORD FROM AC OUTLET BEFORE REMOVING THE REAR COVER

When the rear cover is removed, follow 'CAUTION AT DISASSEMBLY' procedure in the service manual before plugging the TV's power cord into an AC outlet. Failure to follow the procedure will result in PERMANENT damage to some of the television features.

DÉBRANCHEZ LE CORDON DE LA PRISE DE COURANT C. A. AVANT DE RETIRER LE COUVERCLE ARRIÈRE.

Une fois le couvercle arrière déposé suivez la procédure « ATTENTION LORS DU DÉMONTAGE » décrite dans la manuel de service avant de brancher le cordon du téléviseur dans une prise c. a. L'omission de suivre la procédure causera des dommages PERMANENTS à certaines fonctions du téléviseur.

3.2.3 REMOVING THE POWER PWB / REGULATOR PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 5 screws **[F]**, Then remove the FAN BRACKET.
  (2) Remove the 1 screw **[G]**, Then remove the POWER CORD HOLDER.
  (3) Remove the POWER CORD from the POWER PWB.
  (4) Remove the REGULATOR PWB.
  (5) Remove the 5 screw **[H]**, Then remove the POWER PWB.

3.2.4 REMOVING THE ANALOG SYGNAL PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
  (1) Remove the 6 screws **[J]** Then remove the TERMINAL BASE.
  (2) Remove the 6 screws **[K]** Then remove the ANALOG SYGNAL PWB.

3.2.5 REMOVING THE FRONT CONTROL PWB CONTROL / FRONT SENSOR PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[L]**, Then remove the CONTROL KNOB ASSY.
  (2) Remove the 2 screws **[M]**, Then remove the FRONT CONTROL PWB.
  (3) Remove the FRONT SENSOR PWB.

3.2.6 REMOVING THE RECEIVER PWB / CONNECTOR PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 4 screws **[O]** Then remove the RECEIVER PWB.
  (2) Remove the 4 screws **[P]** Then remove the RECEIVER PWB BRACKET.
  (3) Remove the 2 screws **[Q]** Then remove the CONNECTOR PWB.

3.2.7 REMOVING THE DIGITAL SYGNAL PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 3 screws **[R]** and 1 screw **[S]**, Then remove the TUNER BASE.
  (2) Remove the 5 screws **[T]**, Then remove the DIGITAL SIGNAL PWB.

CAUTION:

Make sure to perform the "SYSTEM SETTING" on page 1-10, when DIGITAL SIGNAL PWB is replaced.

3.2.8 REMOVING THE SPEAKER

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 5 screws **[a]**, Then remove the SPEAKER BOX.
  (2) Remove the 4 screws **[b]**, Then remove the SPEAKER (L /R).
  (3) Remove the 4 screws **[c]**, Then remove the DUCT(L/R).

NOTE:

Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.

3.2.9 REMOVING THE LCD PANEL UNIT

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 6 screws **[d]** and 4 screws **[e]**.
  (2) Remove the LCD PANEL UNIT.
  (3) Remove the 7 screws **[f]**. Then, remove the MAIN BASE.
  (4) Remove the 2 screws **[g]**. Then, remove the TOP FRAME.
  (5) Remove the 2 screws **[h]**. Then, remove the BOTTOM FRAME.

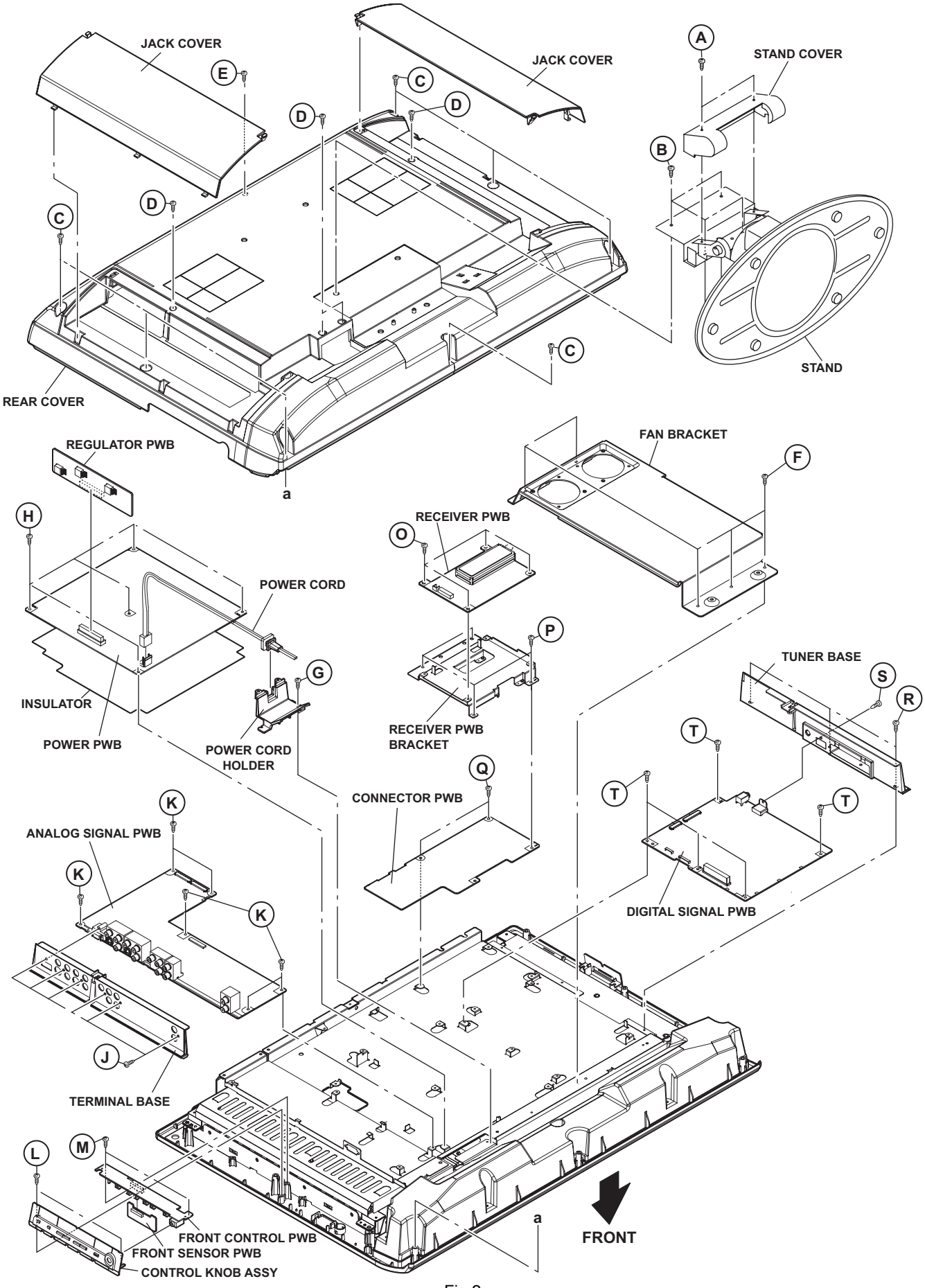

JACK COVER
JACK COVER
STAND COVER
STAND
REAR COVER
REGULATOR PWB
FAN BRACKET
RECEIVER PWB
POWER CORD
INSULATOR
POWER PWB
POWER CORD HOLDER
RECEIVER PWB BRACKET
TUNER BASE
CONNECTOR PWB
ANALOG SIGNAL PWB
DIGITAL SIGNAL PWB
TERMINAL BASE
FRONT CONTROL PWB
FRONT SENSOR PWB
CONTROL KNOB ASSY
FRONT
A
B
C
D
E
F
G
H
J
K
L
M
O
P
Q
R
S
T
a

Fig.2

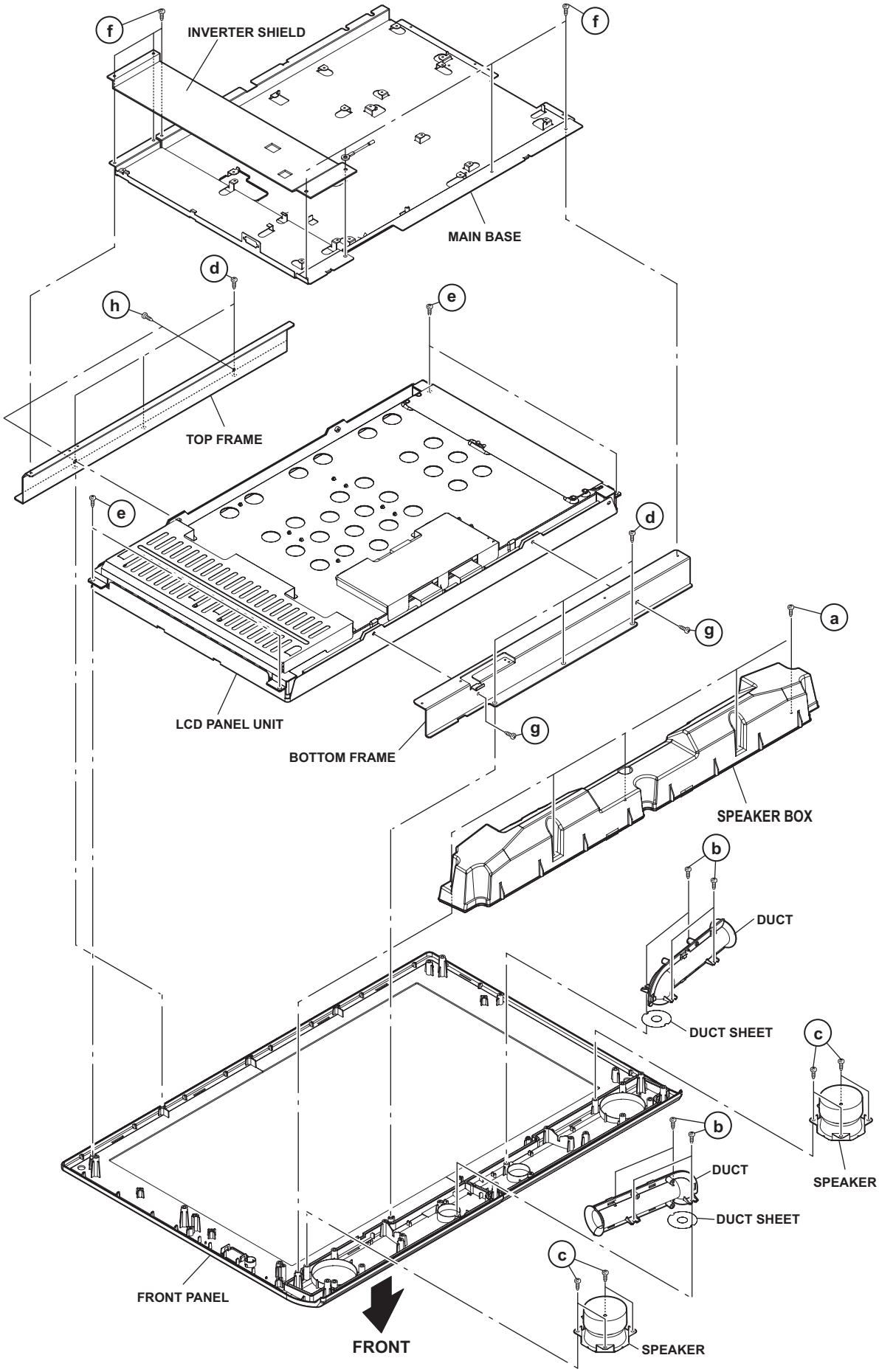

f
INVERTER SHIELD
f
MAIN BASE
d
h
e
TOP FRAME
e
d
g
a
LCD PANEL UNIT
g
BOTTOM FRAME
SPEAKER BOX
b
DUCT
DUCT SHEET
c
b
DUCT
DUCT SHEET
SPEAKER
FRONT PANEL
c
FRONT
SPEAKER

Fig.3

3.3 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.3.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

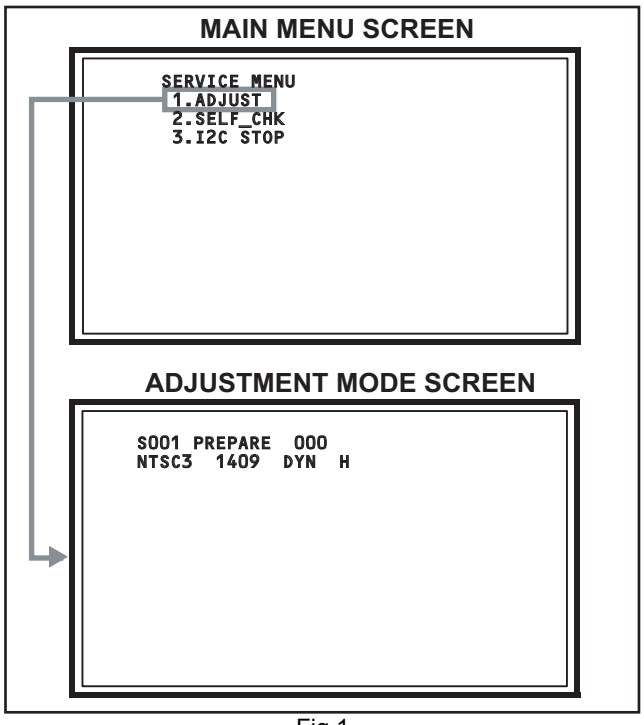


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video sytetem setting	Adjust	S001 to S039
Audio sytetem setting	Adjust	T001 to T010
Panel control sytetem setting	Fixed	P001 to P010
Drive sytetem setting	Fixed	D001 to D187
Main cpu system setting	Fixed	Z001 to Z010

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT	NTSC	PANORAMA
	HD	FULL
SLEEP TIMER		OFF
THEATER PRO		OFF
VIDEO STATUS		DYNAMIC
SOUND EFFECT	A.H.S	OFF
	BBE	ON
	SMART SOUND	OFF [LT-26X585]
	A.H.B	OFF

3.3.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+10	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+05	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
MTS	STEREO

3. CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	OFF
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	SIZE 1
DIGITAL-AUDIO	DIGITAL
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	OFF
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	OFF
V-CHIP	OFF
AUTO DEMO	OFF

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

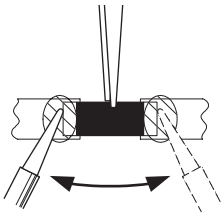
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

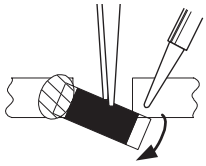
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



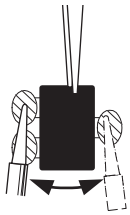
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



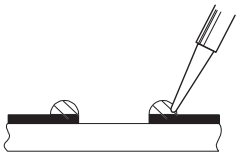
NOTE :

After removing the part, remove remaining solder from the pattern.

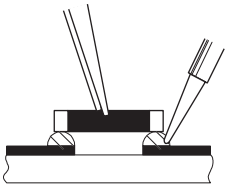
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

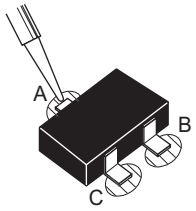


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

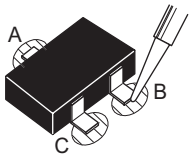


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings
VIDEO STATUS	STANDARD
BRIGHT / CONTRAST / COLOR / TINT	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
NATURAL CINEMA	OFF
TREBLE / BASS / BALANCE	00
BBE	OFF
A.H.S	OFF
A.H.B	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i / 525p / 750p / 1125i / DIGITAL]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT
- 525i A-D OFFSET adjustment
- 1125i BRIGHTNESS adjustment
- 1125i A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGHLIGHT) adjustment

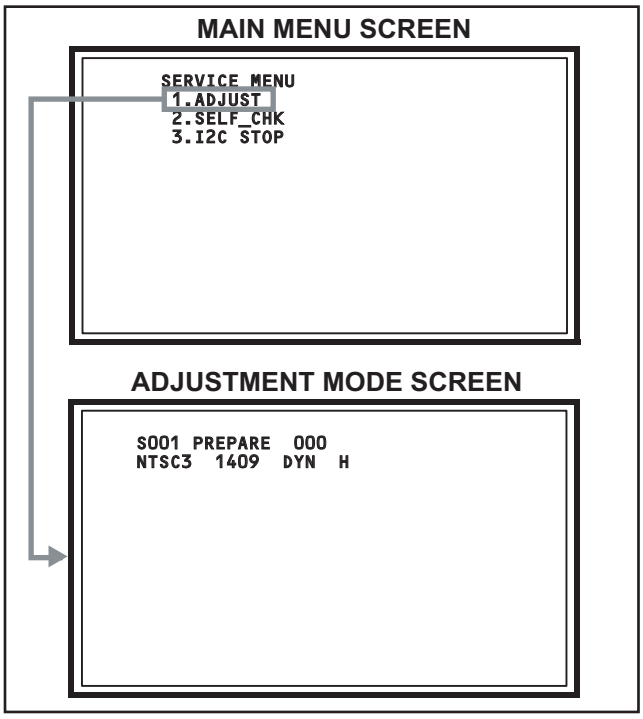
■ MTS CIRCUIT
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE mode.
(3) When the MAIN MENU SCREEN is displayed, press [1] key to enter the adjustment mode.

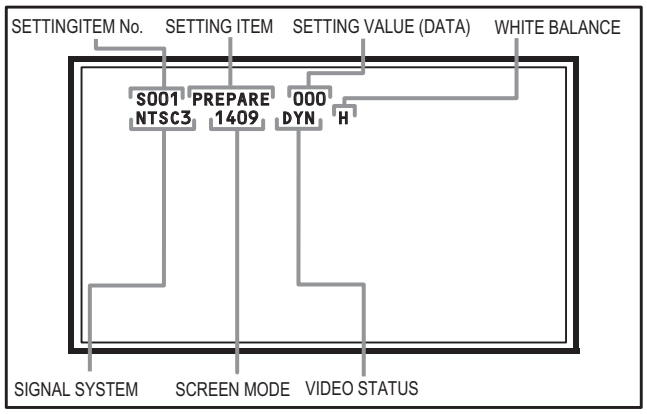
NOTE:
- Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the MAIN MENU SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [BACK] key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3	: 525i (Composite / S-video input)
525I	: 525i (Component input)
525P	: 525p
1125I6	: 1125i
750P	: 750p
H525I	: HDMI 525i
H525P	: HDMI 525p
H125I6	: HDMI 1125i
H750P	: HDMI 750p

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

1409	: FULL
1609	: PANORAMA, HD PANORAMA
1609S	: CINEMA, CINEMA ZOOM
FULL	: REGULAR

MULTI SCREEN

M12	: FREEZE screen
FRZ	: TWIN screen
STD	: INDEX screen

(3) VIDEO STATUS

STD	: STANDARD
DYN	: DYNAMIC
TH	: THEATER
GAME	: GAME

(4) WHITE BALANCE

H	: HIGH
M	: LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 to S039	Video sytetem setting
T001 to T010	Audio sytetem setting
P001 to P010	Panel control sytetem setting
D001 to D187	Drive sytetem setting
Z001 to Z010	Main cpu system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- [CHANNEL (+/-)] key.
  For scrolling up / down the setting items.

  S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.
  For switching to next items.

  S001 → T001 → P001 → D001 → Z001

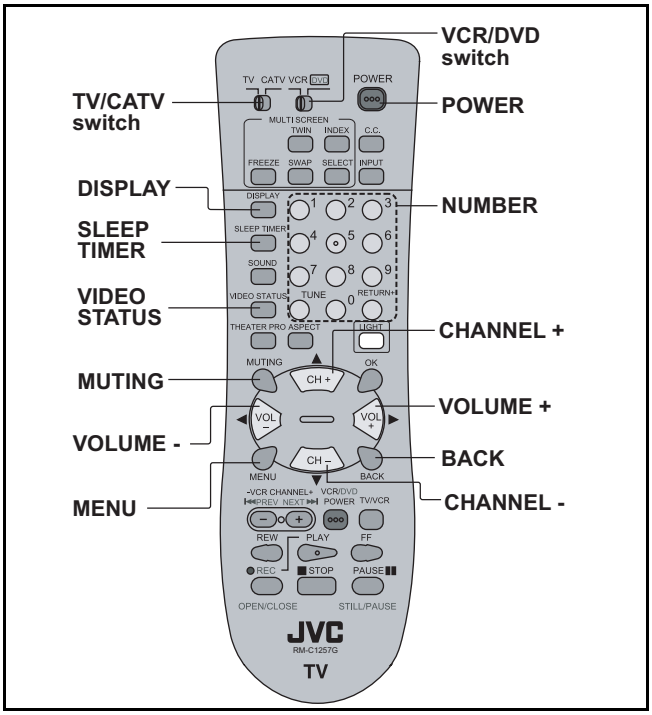
CHANGE OF SETTING VALUE (DATA)

- [VOLUME (+/-)] key.
  For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

4.5.5 SERVICE MODE SELECT KEY LOCATION



4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
S001	PREPARE	000 to 031	000
S002	NTSC BL	000 to 015	000
S003	NTSC CNT	000 to 255	036
S004	NT CR OF	000 to 015	006
S005	NT CB OF	000 to 015	006
S006	525i BL	000 to 015	000
S007	525i CNT	000 to 255	044
S008	5i CB OF	000 to 015	000
S009	5i CR OF	000 to 015	000
S010	5i CR GN	000 to 015	006
S011	5i CB GN	000 to 015	006
S012	HD BL	000 to 063	056
S013	HD CB OF	000 to 063	055
S014	HD CR OF	000 to 063	058
S015	RT CONT	000 to 015	007
S016	RT CB OF	000 to 015	005
S017	RT CR OF	000 to 015	007
S018	RT CL GA	000 to 015	012
S019	PC CL MB	000 to 007	000
S020	PC CL LB	000 to 031	000
S021	PC CL MR	000 to 071	000
S022	PC CL LR	000 to 031	000
S023	(Not display)	000 to 255	000
S024	(Not display)	000 to 255	000
S025	(Not display)	000 to 255	000
S026	(Not display)	000 to 255	000
S027	(Not display)	000 to 255	000
S028	(Not display)	000 to 255	000
S029	(Not display)	000 to 255	000
S030	R DRIVE	000 to 255	130
S031	G DRIVE	000 to 255	133
S032	B DRIVE	000 to 255	090
S033	(Not display)	000 to 255	000
S034	(Not display)	000 to 255	000
S035	(Not display)	000 to 255	000
S036	(Not display)	000 to 255	000
S037	(Not display)	000 to 255	000
S038	(Not display)	000 to 255	000
S039	ILA COM	+00 to +01	+00

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
T001	IN LEVEL	000 to 255	255
T002	LOW SEP	000 to 255	199
T003	HIGH SEP	000 to 255	255
T004	AFC	000 to 255	000
T005	(Not display)	000 to 255	000
T006	ATT V ON	000 to 001	000
T007	ATT U ON	000 to 001	000
T008	ATT C ON	000 to 001	000
T009	(Not display)	000 to 255	000
T010	(Not display)	000 to 255	000

4.6.3 PANEL CONTOROL SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
P001	TM HOR H	00 to FF	00
P002	TM HOR L	00 to FF	00
P003	TM MIN	00 to FF	00
P004	TEMP0	000 to 255	000
P005	(Not display)	000 to 255	000
P006	(Not display)	000 to 255	000
P007	(Not display)	000 to 255	000
P008	(Not display)	000 to 255	000
P009	(Not display)	000 to 255	000
P010	(Not display)	000 to 255	000

4.6.4 DRIVE SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
D001	SLV GN	00 to 3F	15
D002	SLVH GN	00 to 3F	13
D003	SLH GN	00 to 3F	15
D004	SLV Pf	00 to 03	01
D005	SLH Pf H	00 to 01	01
D006	SLH Pf L	00 to 03	01
D007	SL EGCON	00 to 3F	08
D008	SL EGONF	00 to 01	01
D009	SL CRGON	00 to 3F	06
D010	SL CRGON	00 to 01	01
D011	SL ON OF	00 to 01	01
D012	SV GN	00 to 3F	18
D013	SVH GN	00 to 3F	1A
D014	SH GN	00 to 3F	1C
D015	SV Pf	00 to 03	00
D016	SV PfH	00 to 01	01

Item No.	Item name	Variable range	Setting value
D017	SV PfL	00 to 03	00
D018	SYL CON	00 to 3F	30
D019	SYL CONF	00 to 01	01
D020	SYH CON	00 to 3F	00
D021	SYH CONF	00 to 01	01
D022	SC CON	00 to 3F	1A
D023	SC CNONF	00 to 01	01
D024	SPM BLC	00 to 3F	0A
D025	SPM BLCO	00 to 01	01
D026	SLIM	00 to 3F	20
D027	SLIMONF	00 to 01	01
D028	SCRG	00 to 3F	24
D029	SRGONF	00 to 01	01
D030	S ONF	00 to 01	01
D031	pb GN	00 to 3F	15
D032	pb PfH	00 to 01	01
D033	pb PfL	00 to 03	00
D034	pb CRG	00 to 3F	04
D035	pb CRGON	00 to 01	01
D036	pb ONF	00 to 01	01
D037	pr GN	00 to 3F	15
D038	pr PfH	00 to 01	01
D039	pr PfL	00 to 03	00
D040	pr CRG	00 to 3F	05
D041	pr CRGON	00 to 01	01
D042	pr ONF	00 to 01	01
D043	ENH ONF	00 to 01	01
D044	(Not display)	00 to FF	00
D045	(Not display)	00 to FF	00
D046	(Not display)	00 to FF	00
D047	(Not display)	00 to FF	00
D048	(Not display)	00 to FF	00
D049	(Not display)	00 to FF	00
D050	(Not display)	00 to FF	00
D051	(Not display)	00 to FF	00
D052	(Not display)	00 to FF	00
D053	(Not display)	00 to FF	00
D054	(Not display)	00 to FF	00
D055	(Not display)	00 to FF	00
D056	(Not display)	00 to FF	00
D057	(Not display)	00 to FF	00
D058	(Not display)	00 to FF	00
D059	(Not display)	00 to FF	00
D060	(Not display)	00 to FF	00
D061	(Not display)	00 to FF	00
D062	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D063	(Not display)	00 to FF	00
D064	(Not display)	00 to FF	00
D065	(Not display)	00 to FF	00
D066	(Not display)	00 to FF	00
D067	(Not display)	00 to FF	00
D068	(Not display)	00 to FF	00
D069	(Not display)	00 to FF	00
D070	(Not display)	00 to FF	00
D071	(Not display)	00 to FF	00
D072	(Not display)	00 to FF	00
D073	(Not display)	00 to FF	00
D074	(Not display)	00 to FF	00
D075	(Not display)	00 to FF	00
D076	(Not display)	00 to FF	00
D077	(Not display)	00 to FF	00
D078	(Not display)	00 to FF	00
D079	(Not display)	00 to FF	00
D080	(Not display)	00 to FF	00
D081	(Not display)	00 to FF	00
D082	(Not display)	00 to FF	00
D083	(Not display)	00 to FF	00
D084	(Not display)	00 to FF	00
D085	(Not display)	00 to FF	00
D086	(Not display)	00 to FF	00
D087	(Not display)	00 to FF	00
D088	(Not display)	00 to FF	00
D089	(Not display)	00 to FF	00
D090	(Not display)	00 to FF	00
D091	(Not display)	00 to FF	00
D092	(Not display)	00 to FF	00
D093	(Not display)	00 to FF	00
D094	(Not display)	00 to FF	00
D095	(Not display)	00 to FF	00
D096	(Not display)	00 to FF	00
D097	(Not display)	00 to FF	00
D098	(Not display)	00 to FF	00
D099	(Not display)	00 to FF	00
D101	(Not display)	00 to FF	00
D102	(Not display)	00 to FF	00
D103	(Not display)	00 to FF	00
D104	(Not display)	00 to FF	00
D105	(Not display)	00 to FF	00
D106	(Not display)	00 to FF	00
D107	(Not display)	00 to FF	00
D108	(Not display)	00 to FF	00
D109	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D110	(Not display)	00 to FF	00
D111	(Not display)	00 to FF	00
D112	(Not display)	00 to FF	00
D113	(Not display)	00 to FF	00
D114	(Not display)	00 to FF	00
D115	(Not display)	00 to FF	00
D116	(Not display)	00 to FF	00
D117	(Not display)	00 to FF	00
D118	(Not display)	00 to FF	00
D119	(Not display)	00 to FF	00
D120	(Not display)	00 to FF	00
D121	(Not display)	00 to FF	00
D122	(Not display)	00 to FF	00
D123	(Not display)	00 to FF	00
D124	(Not display)	00 to FF	00
D125	(Not display)	00 to FF	00
D126	(Not display)	00 to FF	00
D127	(Not display)	00 to FF	00
D128	(Not display)	00 to FF	00
D129	(Not display)	00 to FF	00
D130	(Not display)	00 to FF	00
D131	(Not display)	00 to FF	00
D132	(Not display)	00 to FF	00
D133	(Not display)	00 to FF	00
D134	(Not display)	00 to FF	00
D135	(Not display)	00 to FF	00
D136	(Not display)	00 to FF	00
D137	(Not display)	00 to FF	00
D138	(Not display)	00 to FF	00
D139	(Not display)	00 to FF	00
D140	(Not display)	00 to FF	00
D141	(Not display)	00 to FF	00
D142	(Not display)	00 to FF	00
D143	(Not display)	00 to FF	00
D144	(Not display)	00 to FF	00
D145	(Not display)	00 to FF	00
D146	(Not display)	00 to FF	00
D147	(Not display)	00 to FF	00
D148	(Not display)	00 to FF	00
D149	(Not display)	00 to FF	00
D150	(Not display)	00 to FF	00
D151	(Not display)	00 to FF	00
D152	(Not display)	00 to FF	00
D153	(Not display)	00 to FF	00
D154	(Not display)	00 to FF	00
D155	(Not display)	00 to FF	00

Item No.	Item name	Variable range	Setting value
D156	(Not display)	00 to FF	00
D157	(Not display)	00 to FF	00
D158	(Not display)	00 to FF	00
D159	(Not display)	00 to FF	00
D160	(Not display)	00 to FF	00
D161	(Not display)	00 to FF	00
D162	(Not display)	00 to FF	00
D163	(Not display)	00 to FF	00
D164	(Not display)	00 to FF	00
D165	(Not display)	00 to FF	00
D166	(Not display)	00 to FF	00
D167	(Not display)	00 to FF	00
D168	(Not display)	00 to FF	00
D169	(Not display)	00 to FF	00
D170	(Not display)	00 to FF	00
D171	(Not display)	00 to FF	00
D172	(Not display)	00 to FF	00
D173	(Not display)	00 to FF	00
D174	(Not display)	00 to FF	00
D175	(Not display)	00 to FF	00
D176	(Not display)	00 to FF	00
D177	(Not display)	00 to FF	00
D178	(Not display)	00 to FF	00
D179	(Not display)	00 to FF	00
D180	(Not display)	00 to FF	00
D181	(Not display)	00 to FF	00
D182	(Not display)	00 to FF	00
D183	(Not display)	00 to FF	00
D184	(Not display)	00 to FF	00
D185	(Not display)	00 to FF	00
D186	(Not display)	00 to FF	00
D187	(Not display)	00 to FF	00

4.6.5 MAIN CPU SYETEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
Z001	(Not display)	00 to FF	00
Z002	(Not display)	00 to FF	00
Z003	(Not display)	00 to FF	00
Z004	(Not display)	00 to FF	00
Z005	(Not display)	00 to FF	00
Z006	(Not display)	00 to FF	00
Z007	(Not display)	00 to FF	00
Z008	(Not display)	00 to FF	00
Z009	(Not display)	00 to FF	00
Z010	(Not display)	00 to FF	00

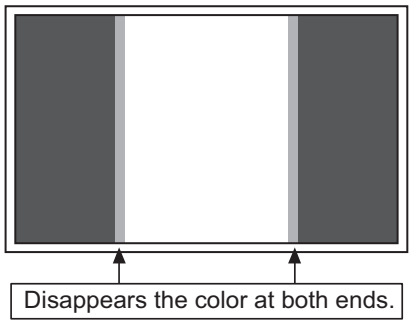
4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>525i
A-D OFFSET</td><td>Remote control unit

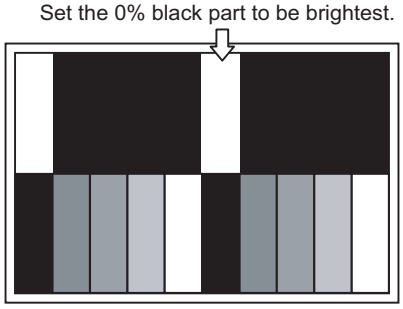
Signal generator</td><td></td><td>[1.ADJUST]
S001: PREPARE
(Adjustment setting mode change)

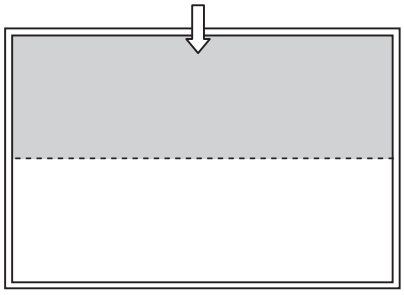
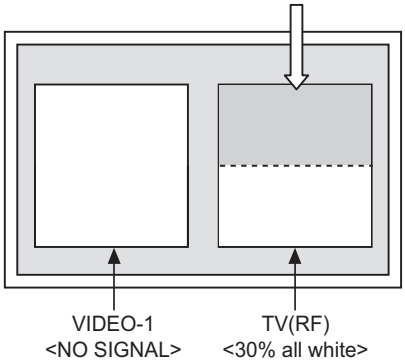
S008: 5i CB OF(525i cb offset)
S009: 5i CR OF(525i cr offset)

S030: R DRIVE(Red drive)
S031: G DRIVE(Green drive)
S032: B DRIVE(Blue drive)</td><td rowspan="2">(1) Receive a 525i component ramp pattern signal.
(2) Set “VIDEO STATUS” to STANDARD.
(3) Set “ASPECT” to FULL.
(4) St "COLOR TEMPERATURE" to LOW.
(5) Select "1.ADJUST" from the SERVICE MODE.
(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255".
(7) Set < S001 >(adjustment setting mode change) to set "008" and it change to the 525i A-D offset adjustment setting mode.
(8) Set < S008 > (525i Cb offset) and < S09 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen.
(9) Set < S001 > to set “000“ and it change to the normal mode.
(10) Press the [MUTING] key to memoirze the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>1125i
BRIGHTNESS</td><td>Remote control unit

Signal generator</td><td></td><td>[1.ADJUST]
S001: PREPARE
(Adjustment setting mode change)

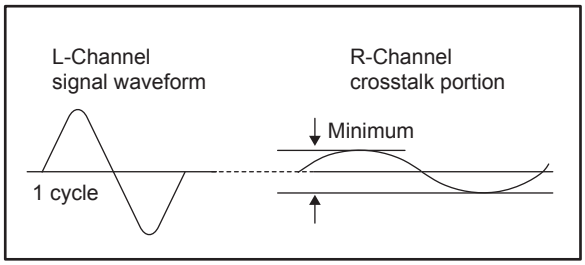
S012: HD BL(1125i brightness)

S030: R DRIVE(Red drive)
S031: G DRIVE(Green drive)
S032: B DRIVE(Blue drive)</td><td rowspan="2">(1) Receive a 1125i gray scale pattern signal .
(2) Set “VIDEO STATUS” to STANDARD.
(3) Set “ASPECT” to FULL.
(4) Set "COLOR TEMPERATURE" to LOW.
(5) Select "1.ADJUST" from the SERVICE MODE.
(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255".
(7) Set < S001 > (adjustment setting mode change) to set the values “012“ and it change to the 1125i black level adjustment setting mode.
(8) Set < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest.
(9) Set < S001 > to set “000“ and it change to the normal mode.
(10) Press the [MUTING] key to memoirze the set value.</td></tr>
<tr><td colspan="4">
  </td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
1125i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i 30% all white pattern signal. (2) Set “VIDEO STATUS” to STANDARD. (3) Set “ASPECT” to FULL. (4) Set "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255". (7) Set < S001 > (adjustment setting mode change) to set “013“ and it change to the 1125i A-D offset adjustment setting mode. (8) Set < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Set < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set “000“ and it change to the normal mode. (11) Press the [MUTING] key to memoirze the set value.
Minimize the red and blue noises in the upper half of the screen. 				
SUB SCREEN A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Set “VIDEO STATUS” to STANDARD. (2) Set “ASPECT” to FULL. (3) Set "COLOR TEMPERATURE" to LOW. (4) Set "MULTI SCREEN" to TWIN. (5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "1.ADJUST" from the SERVICE MODE. (7) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "255". (8) Set < S001 > (adjustment setting mode change) to set “017“ and it change to the sub screen A-D offset adjustment setting mode. (9) Set < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. **If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.** (10) Set < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9) (12) Set < S001 > to set “000“ and it change to the normal mode. (13) Press the [MUTING] key to memoirze the set value.
Set the 0% block part to be brightest.  				

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white signal. (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) Select "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of < S030 >, < S031 >, and < S032 > to "255". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the [MUTING] key to memoirze the set value.

4.7.2 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit Signal generator		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select "1.ADJUST" from the SERVICE MODE. (3) Verify that the < T001 > (IN LEVEL) is set at its initial setting value. (4) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the MONITOR OUT, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the MONITOR OUT, and enlarge the voltage axis. (4) Select "1.ADJUST" from the SERVICE MODE. (5) Set the initial setting value of the < T002 > (LOW SEP). (6) Adjust the < T002 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the < T003> (HI SEP). (8) Press the [MUTING] key to memorize the set value.
				

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the service mode mode.
(3) Press the [2] key (SELF_CHK) before the service mode screen disappears.
(4) Press the [SLEEP TIMER] key to enter Page 2 of the SELF CHECK MODE.
- When the [RETURN +] key pressed, the first page change screen.

NOTE:

When a number key other than the [1] to [3] key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MENU.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item.When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^2C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

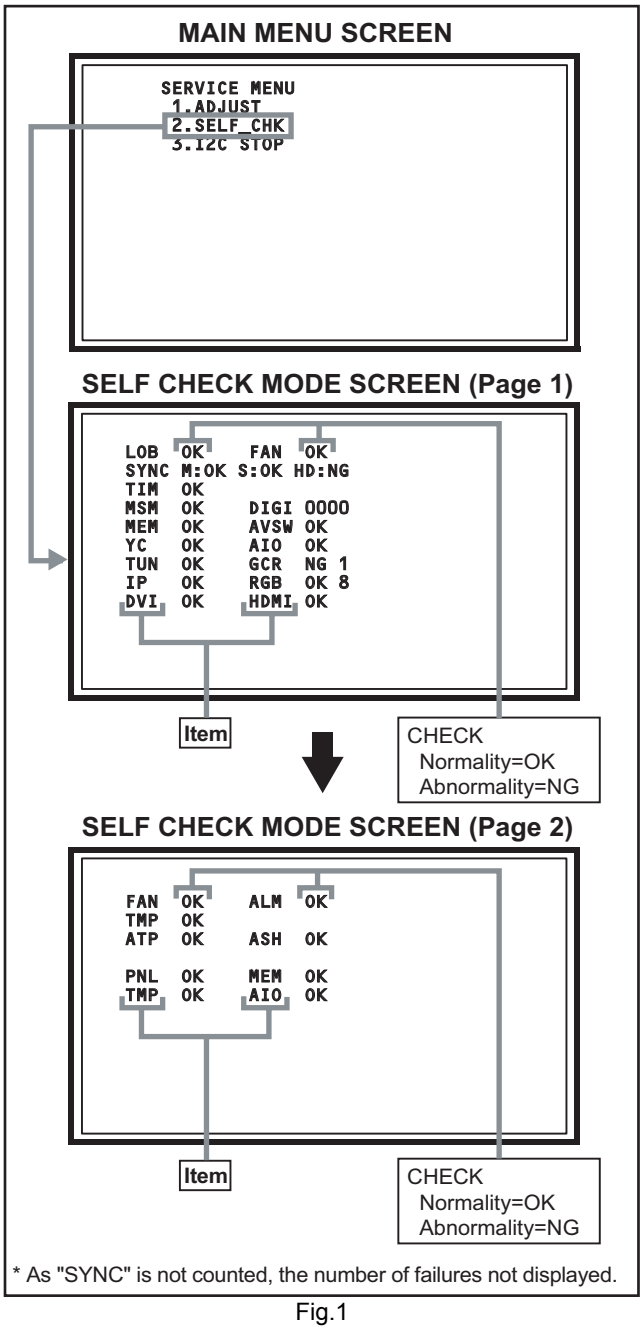


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bais (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Fan lock	FAN	Not used.	---	---
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with Chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed and no reply of ACK signal an error will be counted.
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I^2C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301, IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound processor	AIO	Same as above. IC3101 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I^2C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
RGB proccess	RGB	Same as above. IC3001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Same as above. IC8001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise oftemperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in AUDIO PWB	ATP	Not used.	---	---
Short circuit detection of AUDIO PWB	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Not used.	---	---

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

TYPE of error	Display	POWER LED flash cycle
Low bias line short protection	LOB	Low luminance blue turnig on and off at 1 second intervals.

< Explanation of operation >

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA213)

Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

LCD FLAT TELEVISION

LT-26X575/T

CD-ROM No.SML200409

BASIC CHASSIS
FL

I'Art™ Palette

D.I.S.T. Digital Image Scaling Technology

BBE

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

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No.YA213
2004/9

LT-26X575/T

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20µs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

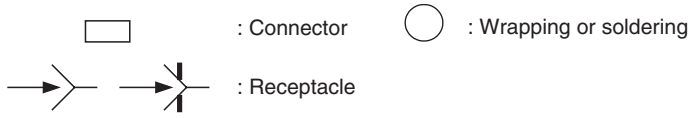
No unit	: [µH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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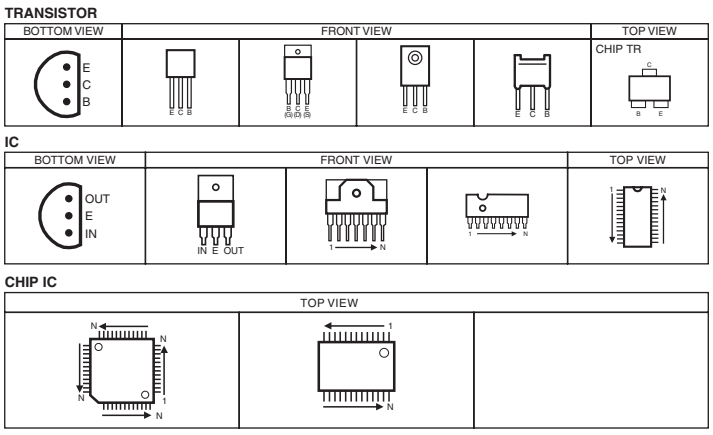
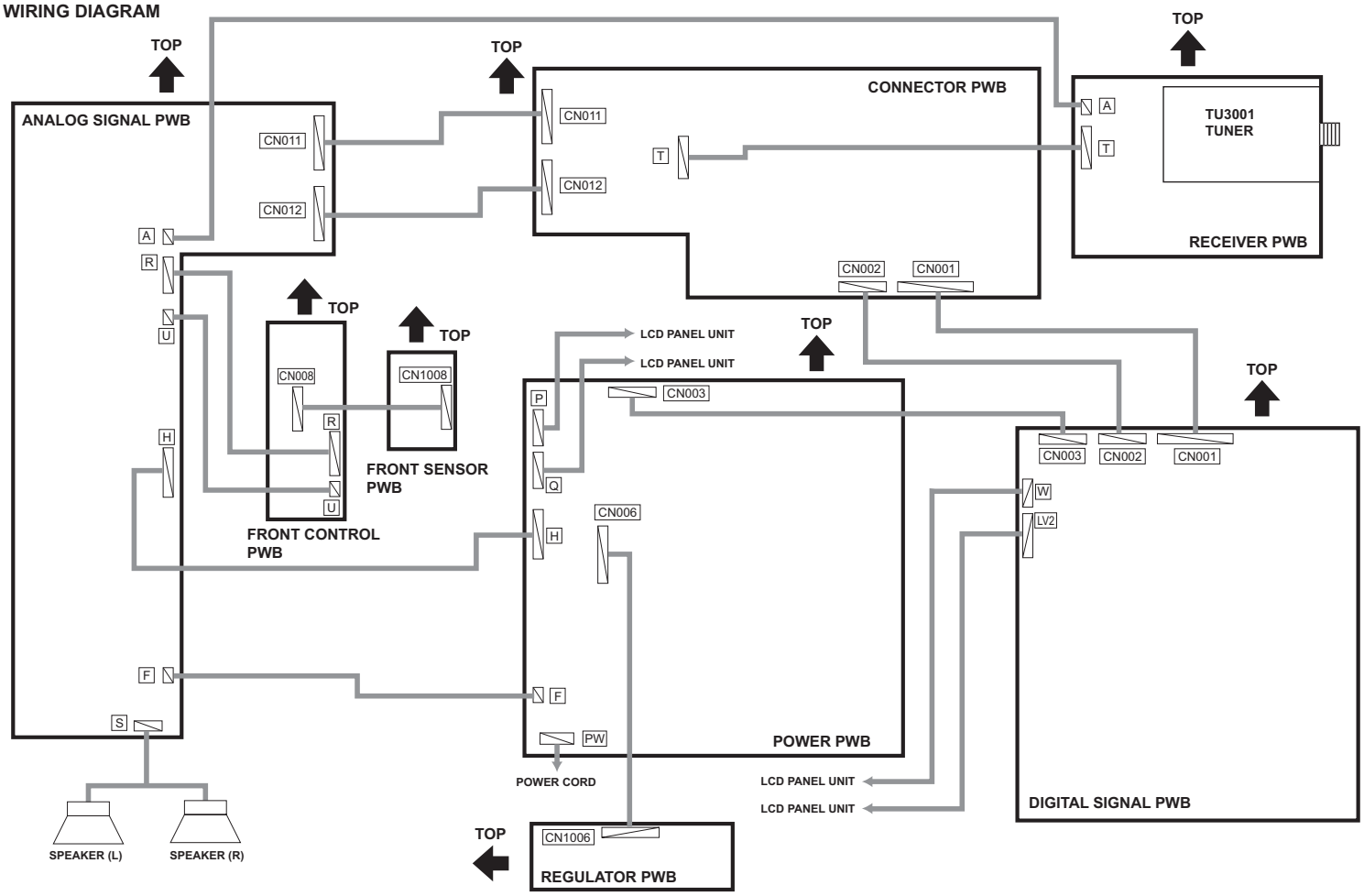
USING P.W. BOARD

P.W.B ASS'Y name	P.W.B ASS'Y No.
ANALOG SIGNAL P.W.B	LCA90350-11C (SFL-1011A)
CONNECTOR P.W.B	LCA90353-11A (SFL-4011A)
FRONT CONTROL P.W.B	LCA90351-11A (SFL-7011A)
FRONT SENSOR P.W.B	LCA90352-11A (SFL-8011A)
POWER P.W.B	LCA90348-05C (SFL-9004A)
REGULATOR P.W.B	LCA90349-05B (SFL-9104A)
DIGITAL SIGNAL P.W.B	LCA10428-73A (SFL-0D106A)
RECEIVER P.W.B	LCA10447-51A (SFL-0F101A)

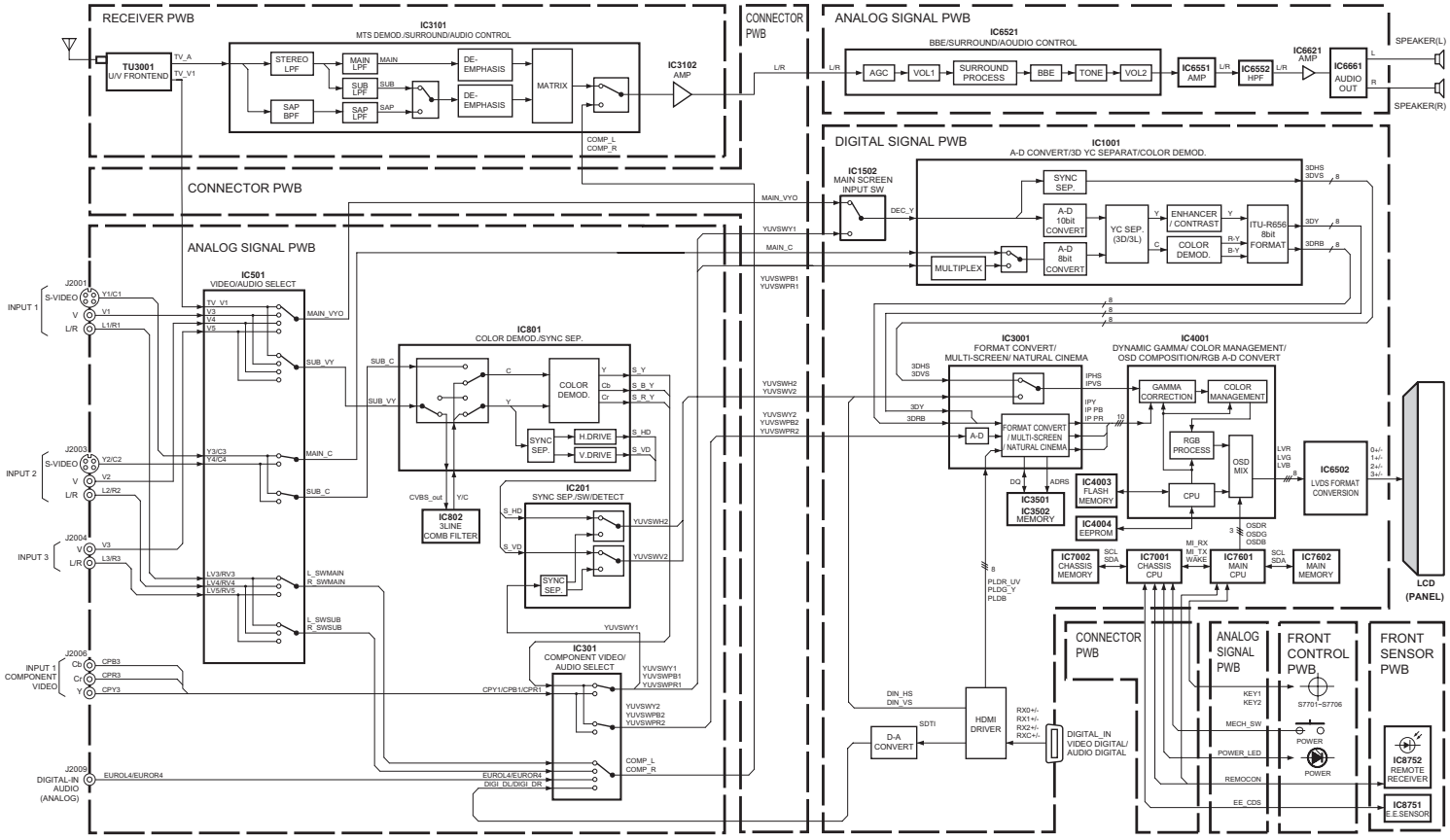
SEMICONDUCTOR SHAPES



WIRING DIAGRAM

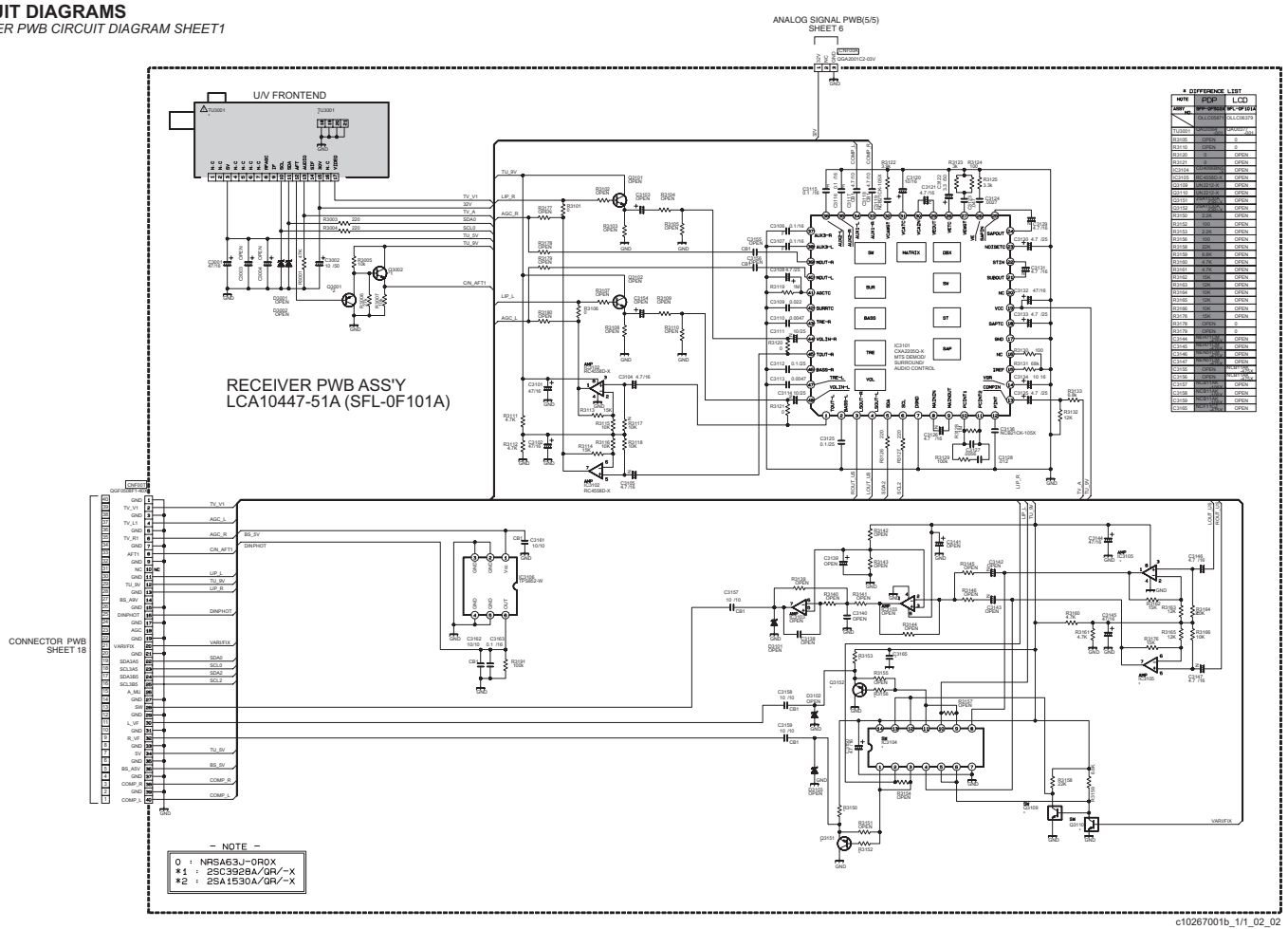


BLOCK DIAGRAM



CIRCUIT DIAGRAMS

RECEIVER PWB CIRCUIT DIAGRAM SHEET1



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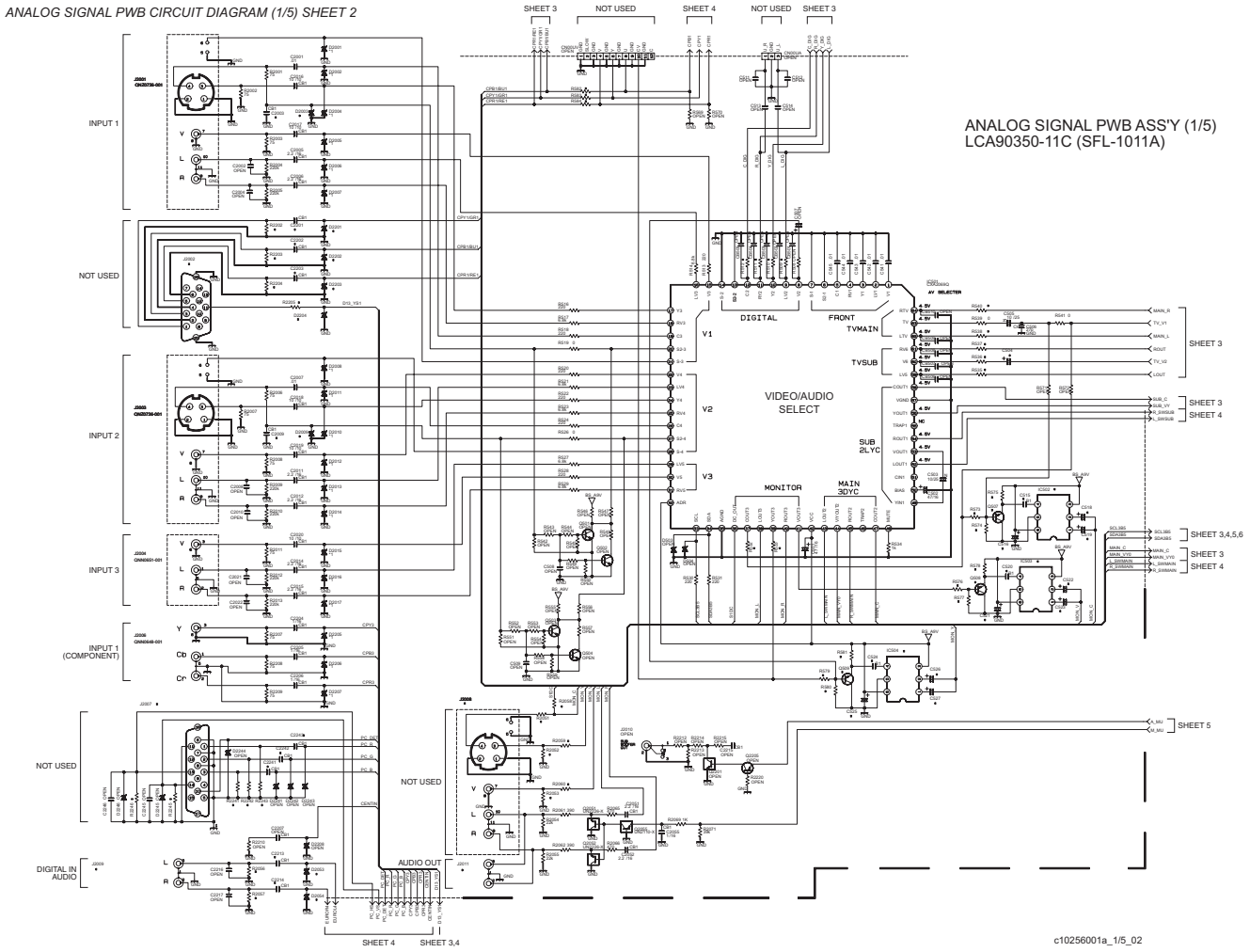
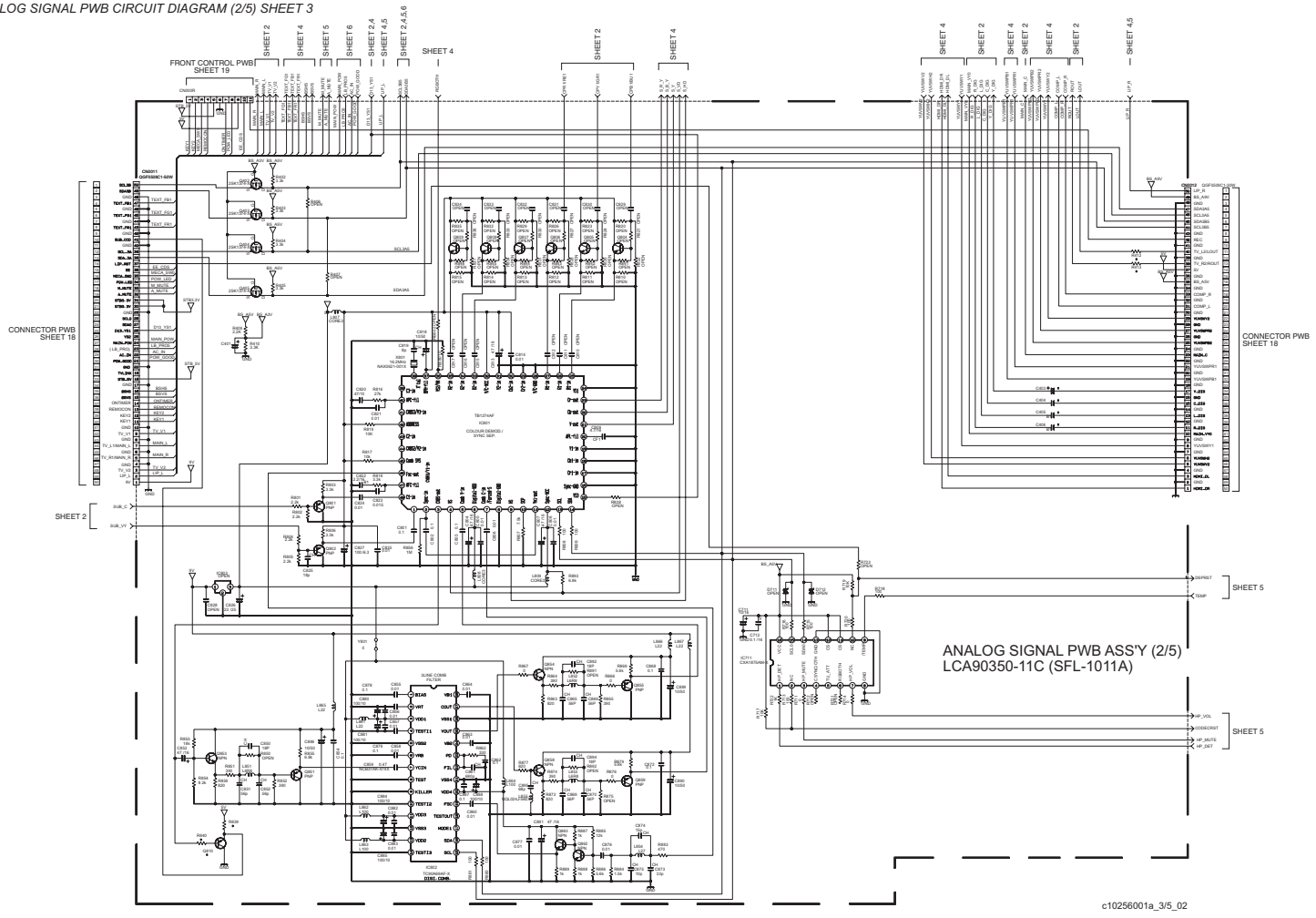
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (1/5) SHEET 2

ANALOG SIGNAL PWB ASS'Y (1/5)
LCA90350-11C (SFL-1011A)

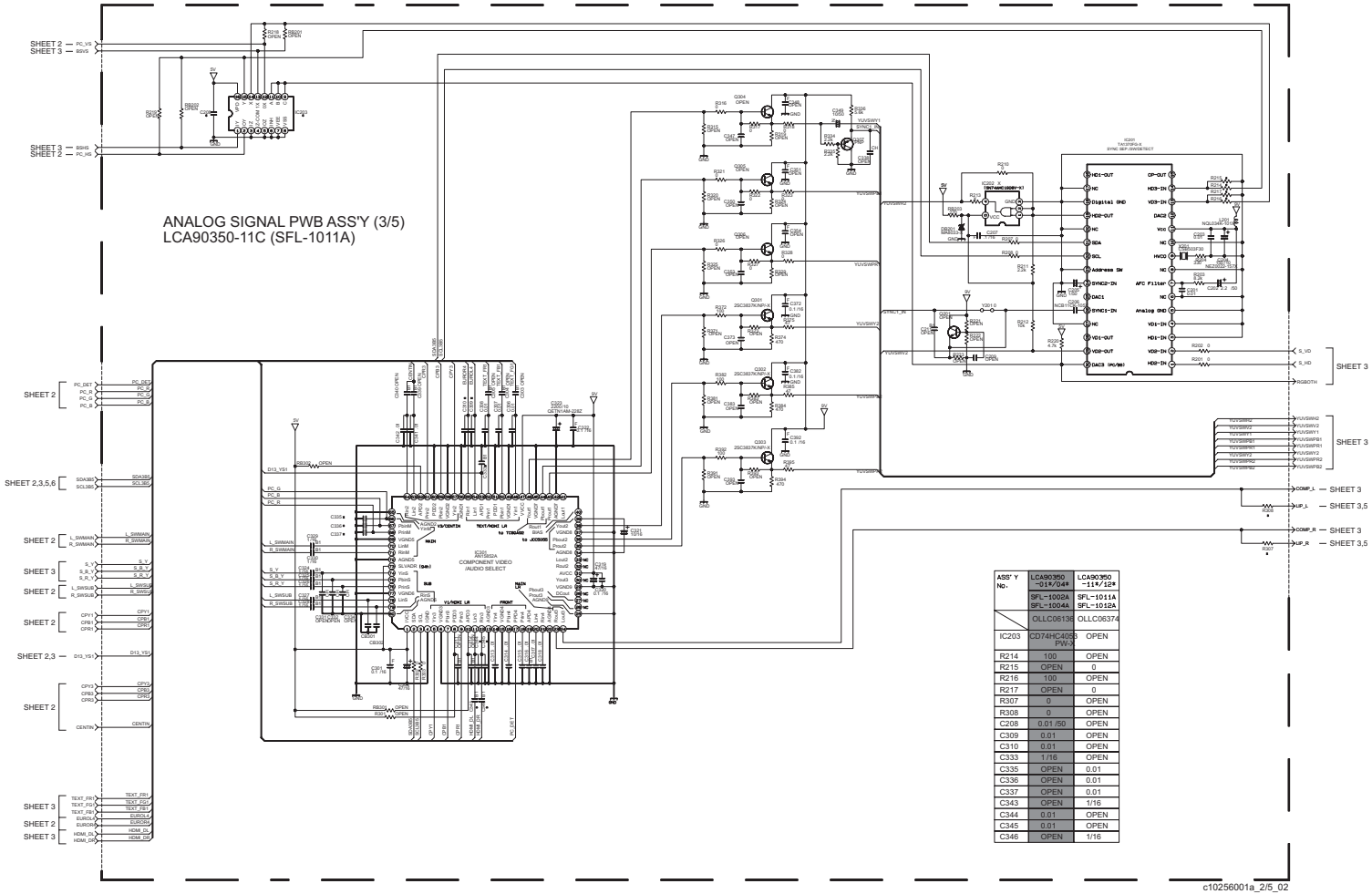


c10256001a_1/5_02

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3



ANALOG SIGNAL PWB CIRCUIT DIAGRAM (3/5) SHEET 4



ASS' Y No.	LCA90350 -01*/04*	LCA90350 -11*/12*
	SFL-1002A SFL-1004A	SFL-1011A SFL-1012A
	OLLC08136	OLLC06374
IC203	CD74HC4053 PW-J	OPEN
R214	100	OPEN
R215	OPEN	0
R216	100	OPEN
R217	OPEN	0
R307	0	OPEN
R308	0	OPEN
C208	0.01 /50	OPEN
C309	0.01	OPEN
C310	0.01	OPEN
C333	1/16	OPEN
C335	OPEN	0.01
C336	OPEN	0.01
C337	OPEN	0.01
C343	OPEN	1/16
C344	0.01	OPEN
C345	0.01	OPEN
C346	OPEN	1/16

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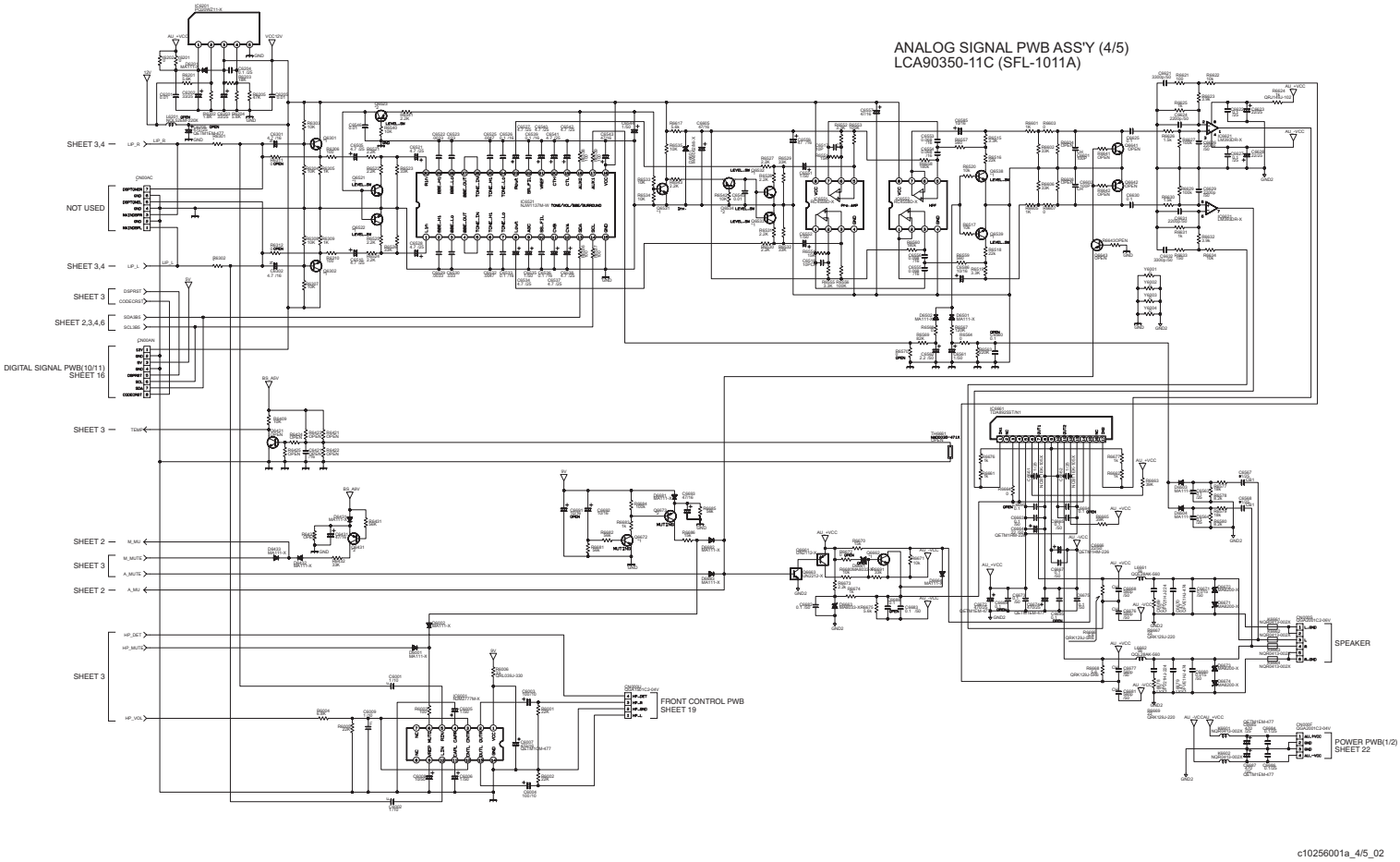
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (4/5) SHEET 5



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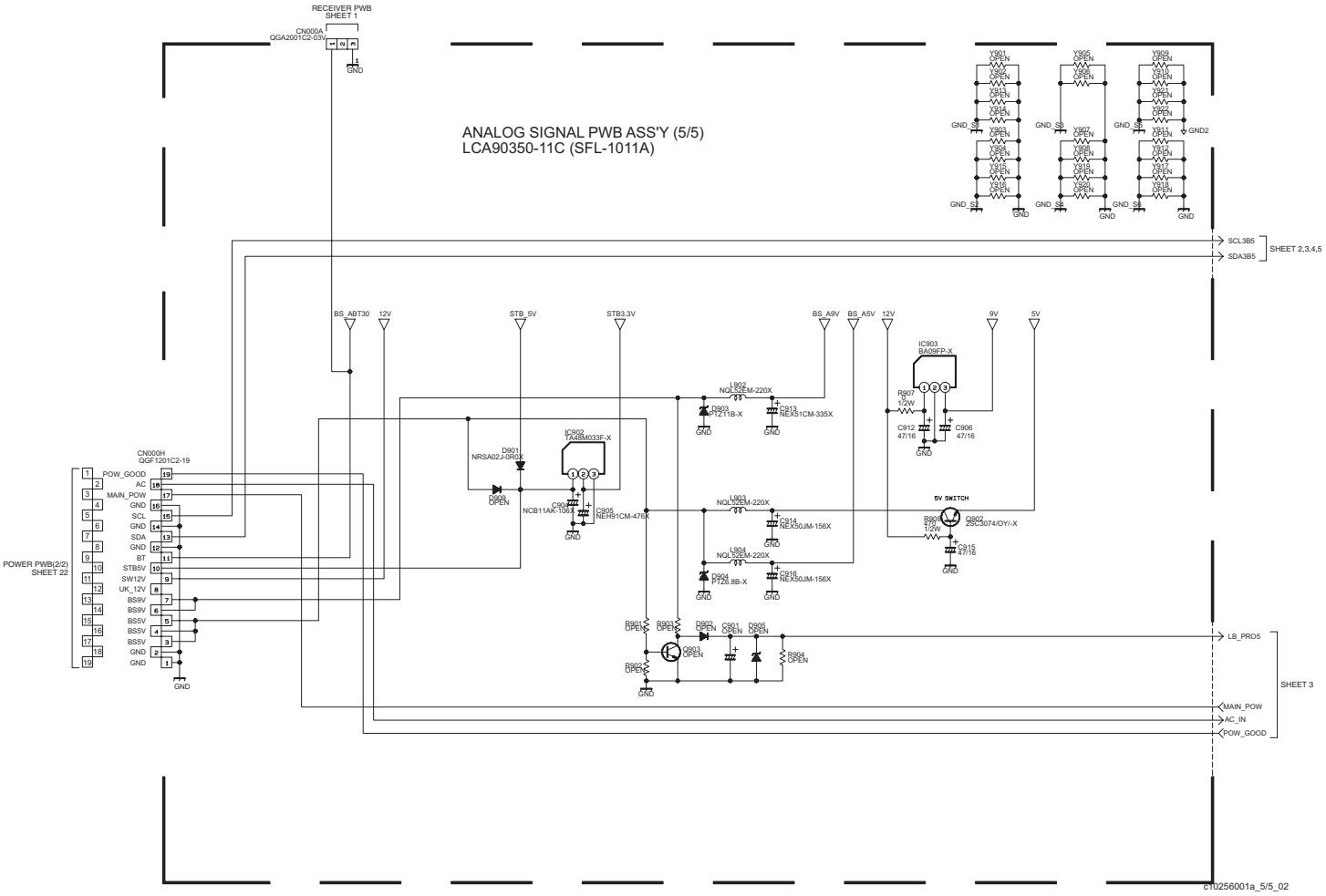
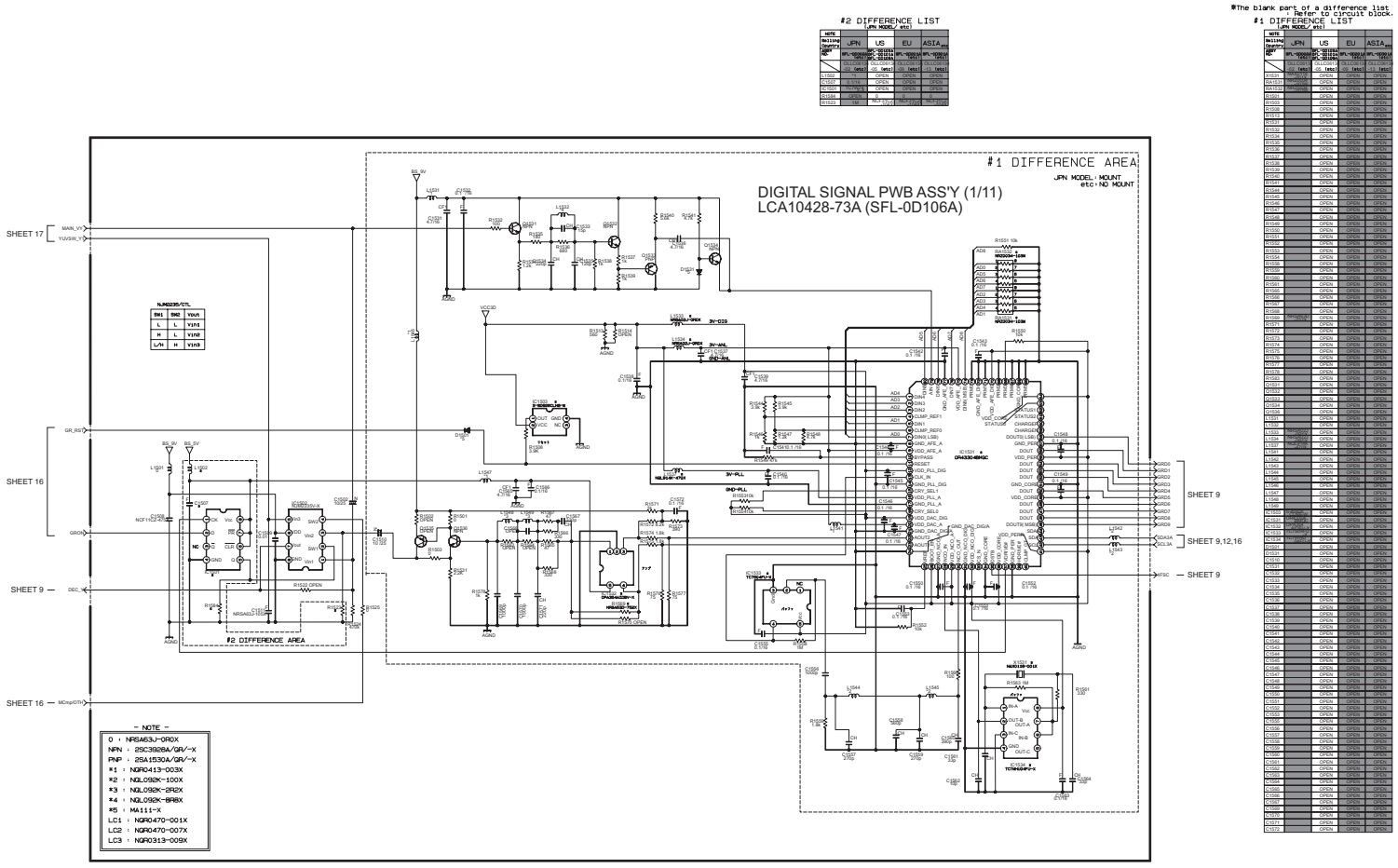
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (5/5) SHEET 6



DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (1/11) SHEET 7



#2 DIFFERENCE LIST
(JPN MODEL / etc)

NOTE	JPN	US	EU	ASIA
PART No.	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X
	OUTLINE (MM)	OUTLINE (MM)	OUTLINE (MM)	OUTLINE (MM)
	GR2	GR2	GR2	GR2
L1503	1u	OPEN	OPEN	OPEN
C1507	0.1U/16	OPEN	OPEN	OPEN
RL1001	RL7510-0	OPEN	OPEN	OPEN
R1084	0	0	0	0
R1223	0	NQ-1002	NQ-1002	NQ-1002

*The blank part of a difference list : Refer to circuit block.

#1 DIFFERENCE LIST
(JPN MODEL / etc)

NOTE	JPN	US	EU	ASIA
PART No.	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X	SFL-0D106A/GR/-X SFL-0D106A/GR/-X
	OUTLINE (MM)	OUTLINE (MM)	OUTLINE (MM)	OUTLINE (MM)
	GR2	GR2	GR2	GR2
L1531	NPIB453225	OPEN	OPEN	OPEN
R1133	NRSA63J	OPEN	OPEN	OPEN
R1135		OPEN	OPEN	OPEN
R1136		OPEN	OPEN	OPEN
R1137		OPEN	OPEN	OPEN
R1138		OPEN	OPEN	OPEN
R1139		OPEN	OPEN	OPEN
R1140		OPEN	OPEN	OPEN
R1141		OPEN	OPEN	OPEN
R1144		OPEN	OPEN	OPEN
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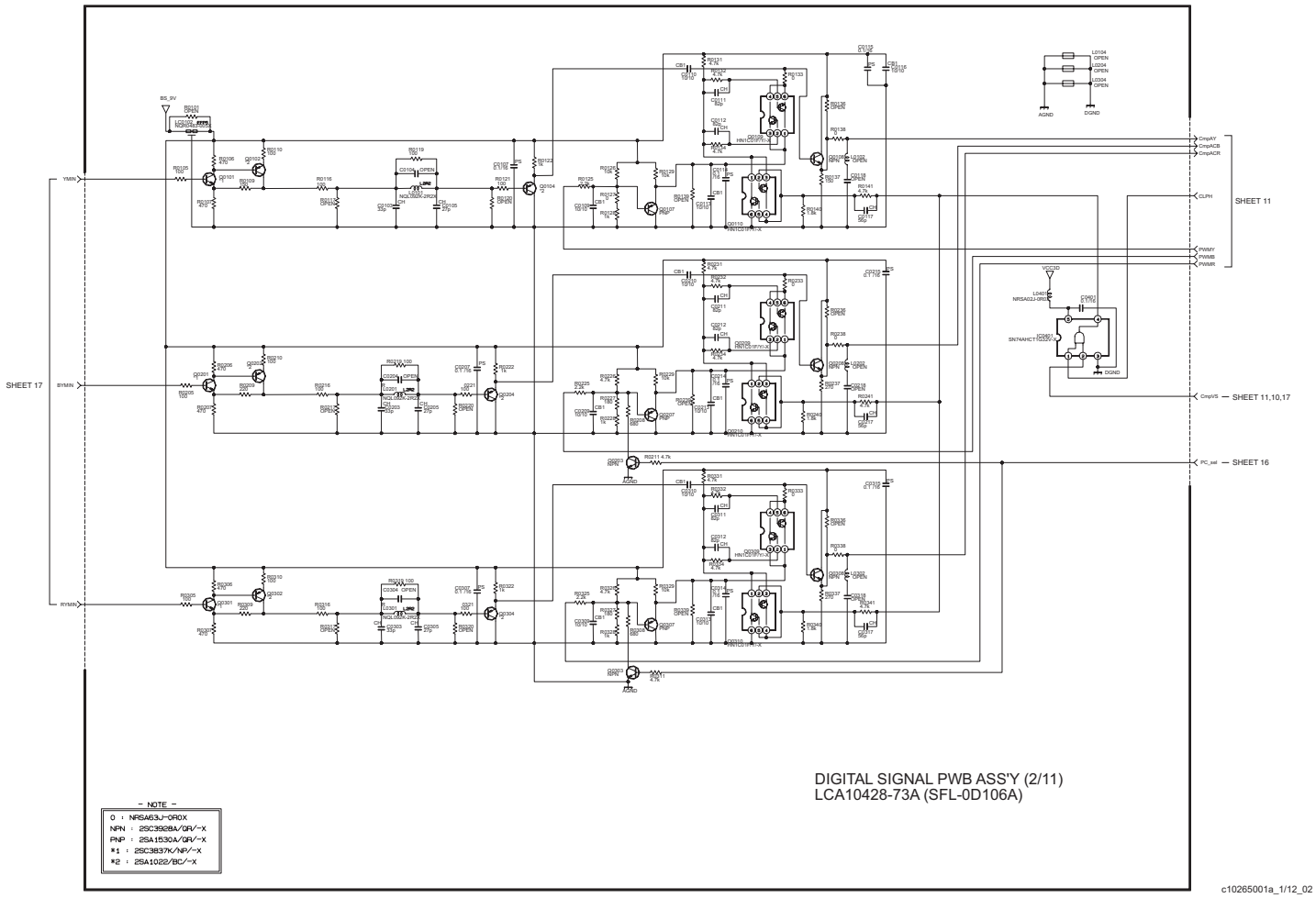
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (2/11) SHEET 8



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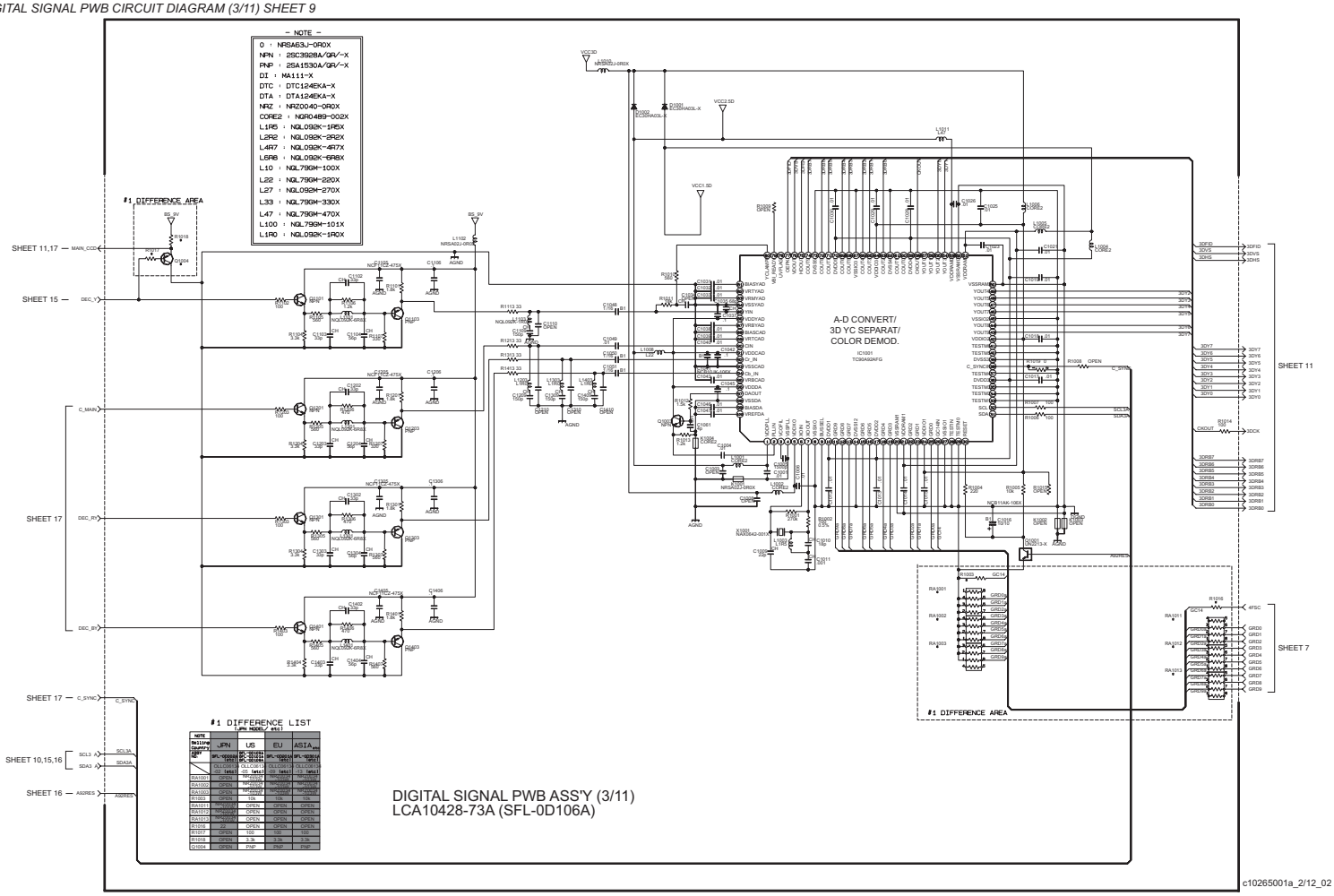
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (3/11) SHEET 9



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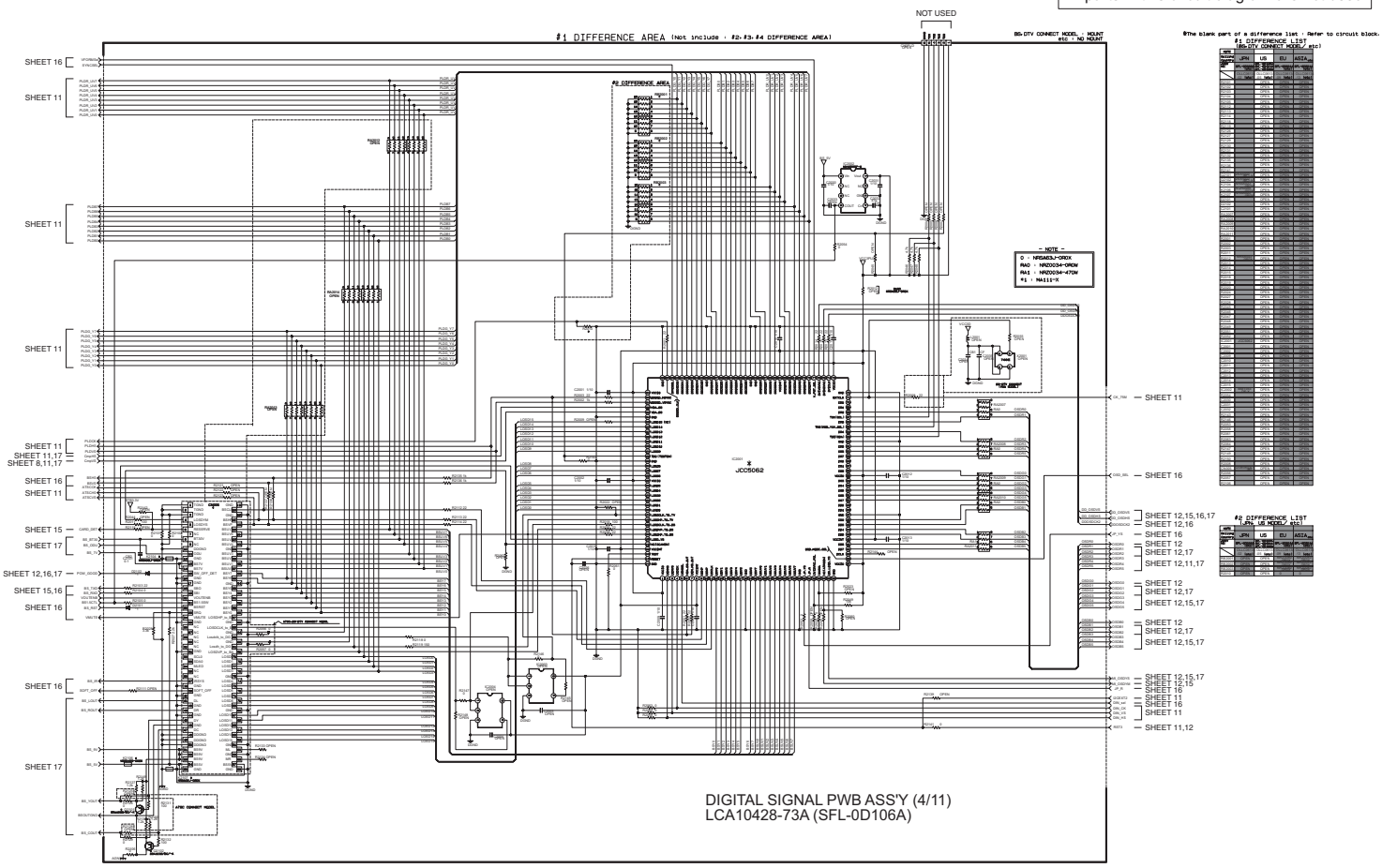
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (4/11) SHEET 10

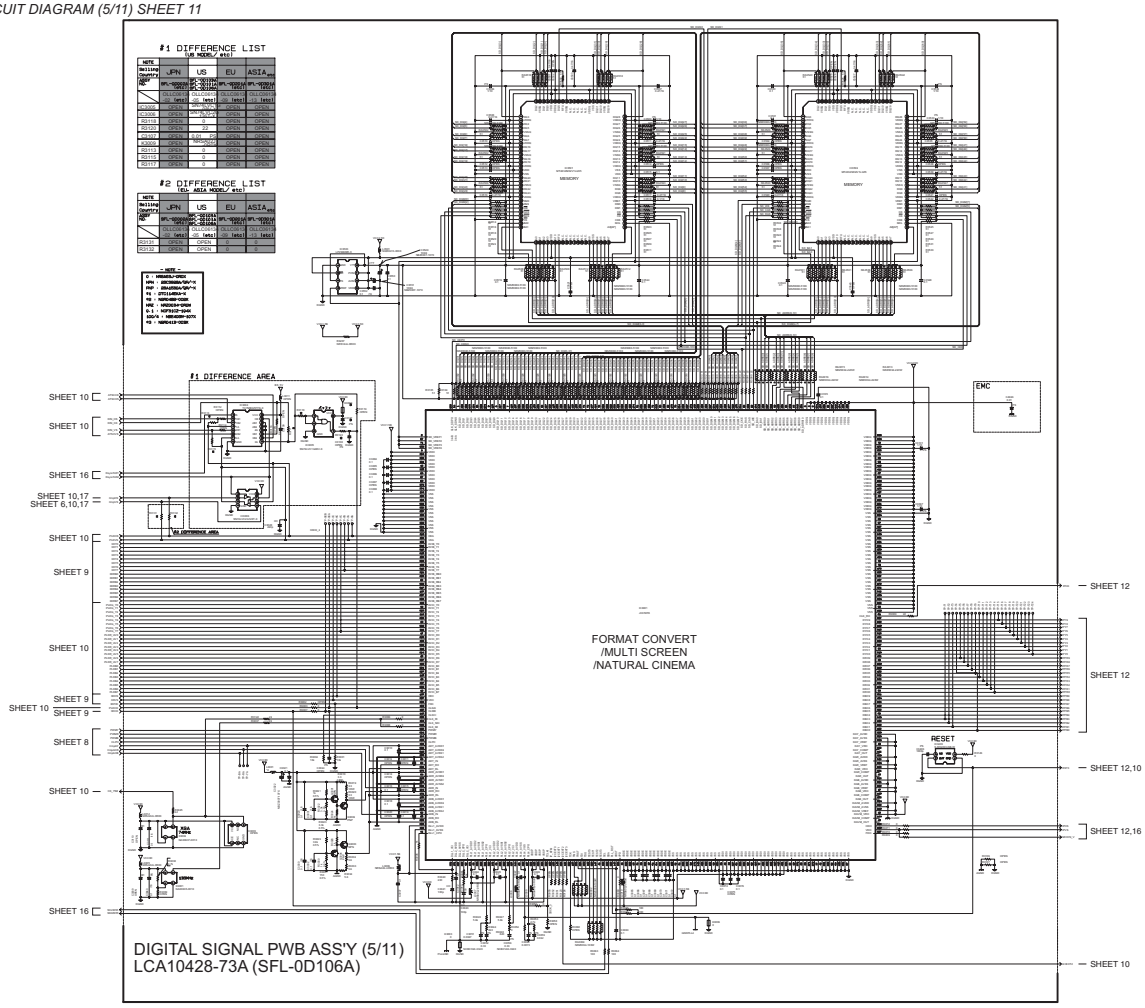
All parts in this circuit diagram are not used.



DIGITAL SIGNAL PWB ASS'Y (4/11)
LCA10428-73A (SFL-0D106A)

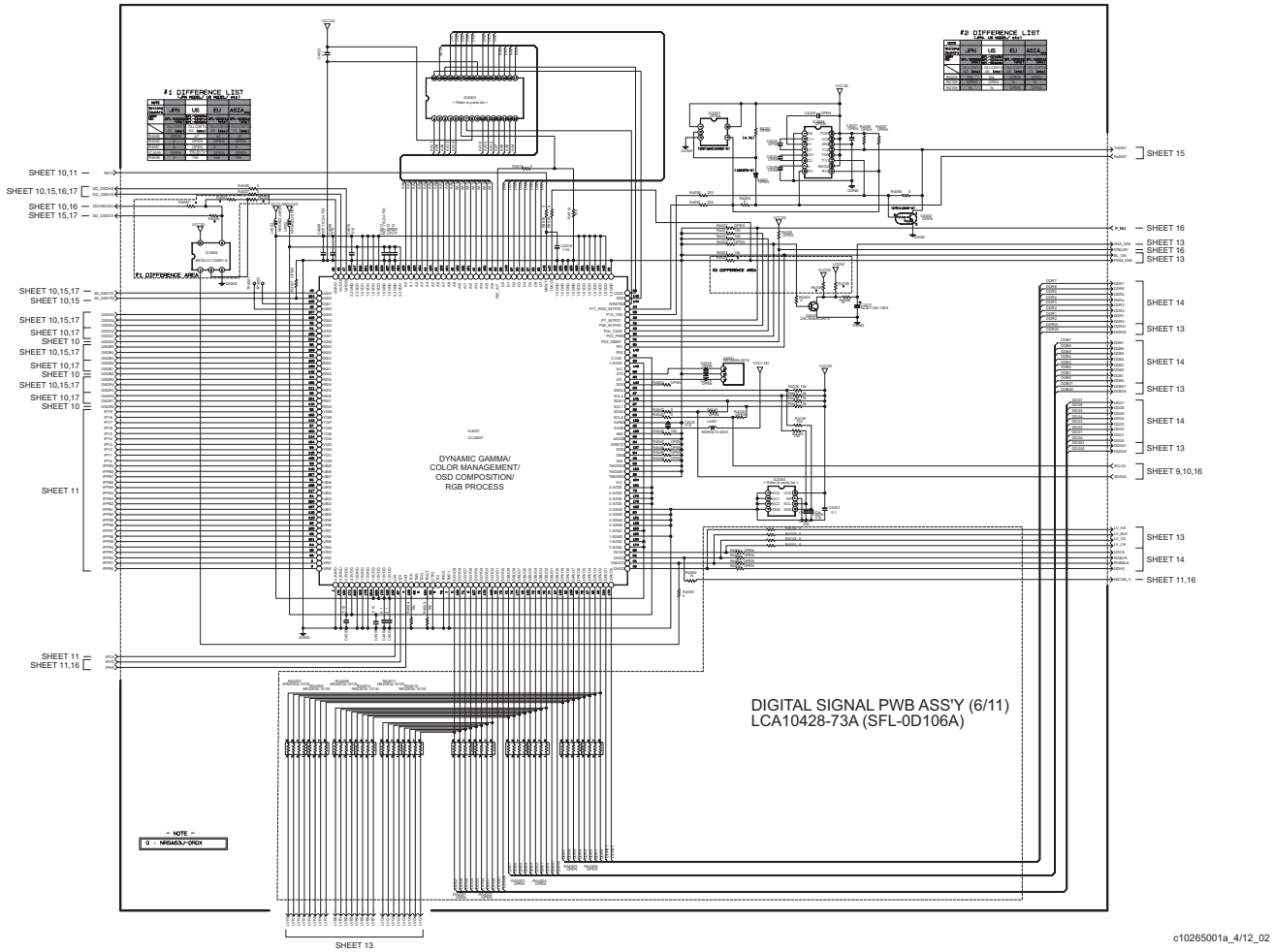
c10265001a_9/12_02

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (5/11) SHEET 11



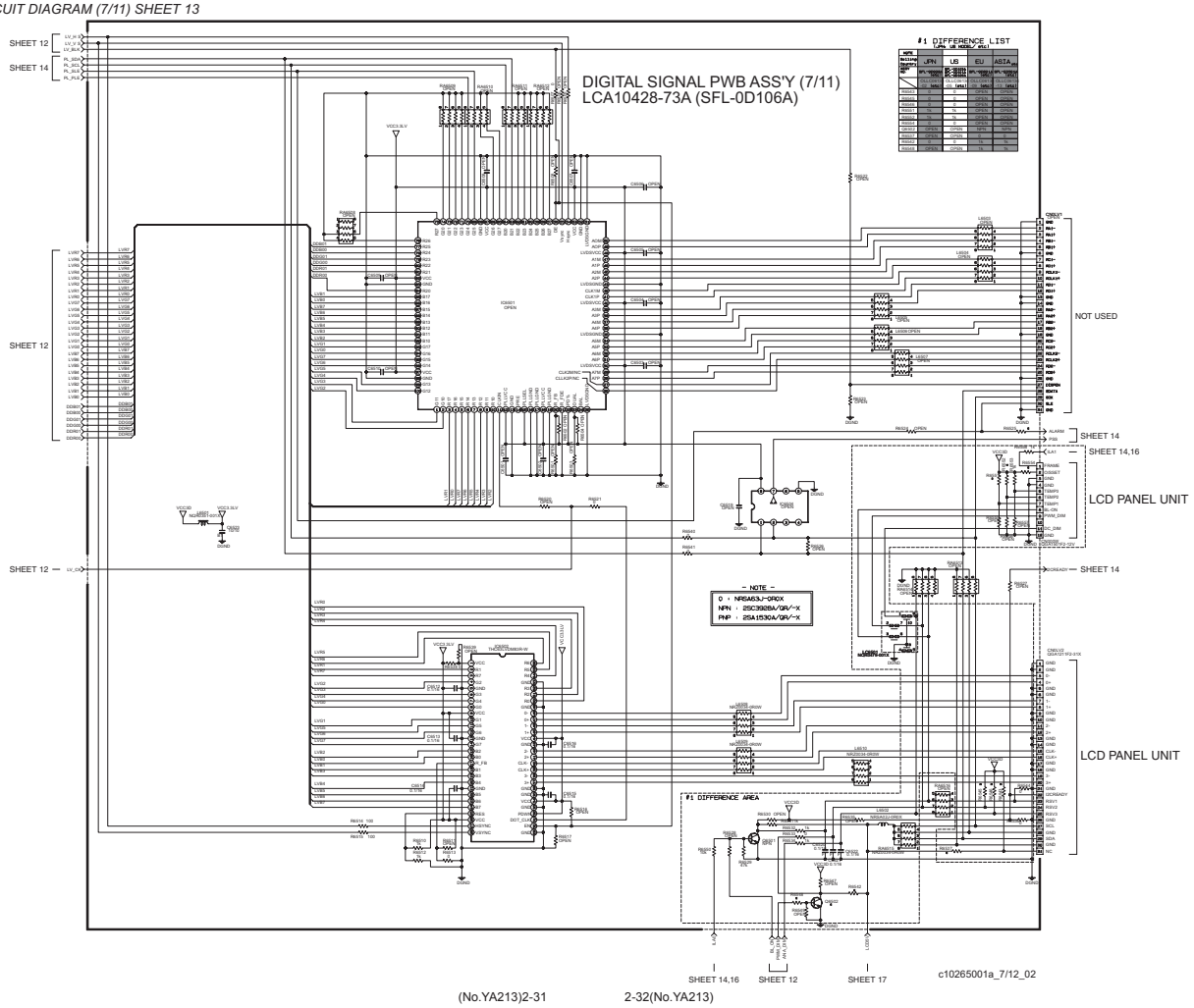
c10265001a_3/12_02

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (6/11) SHEET 12

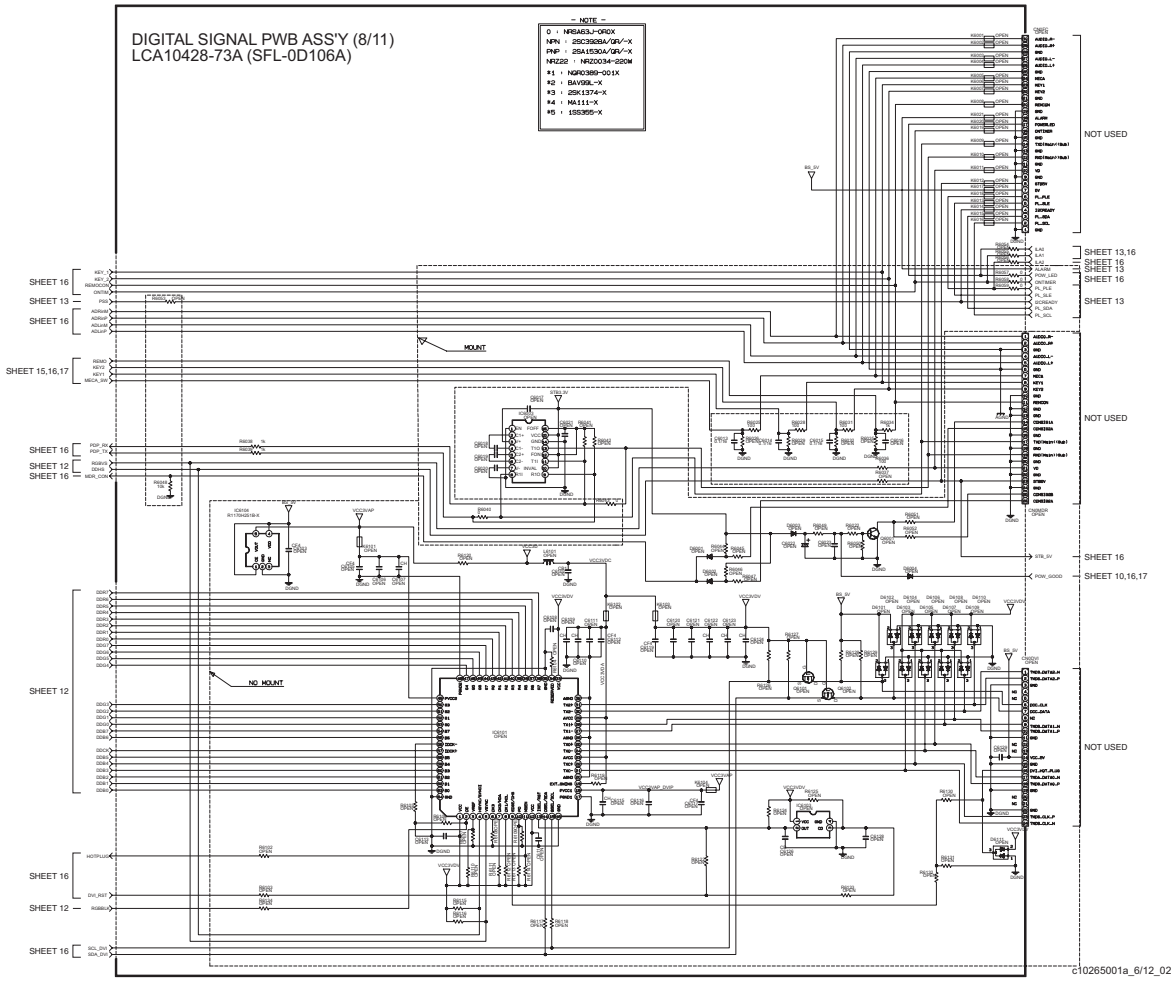


c10265001a_4/12_02

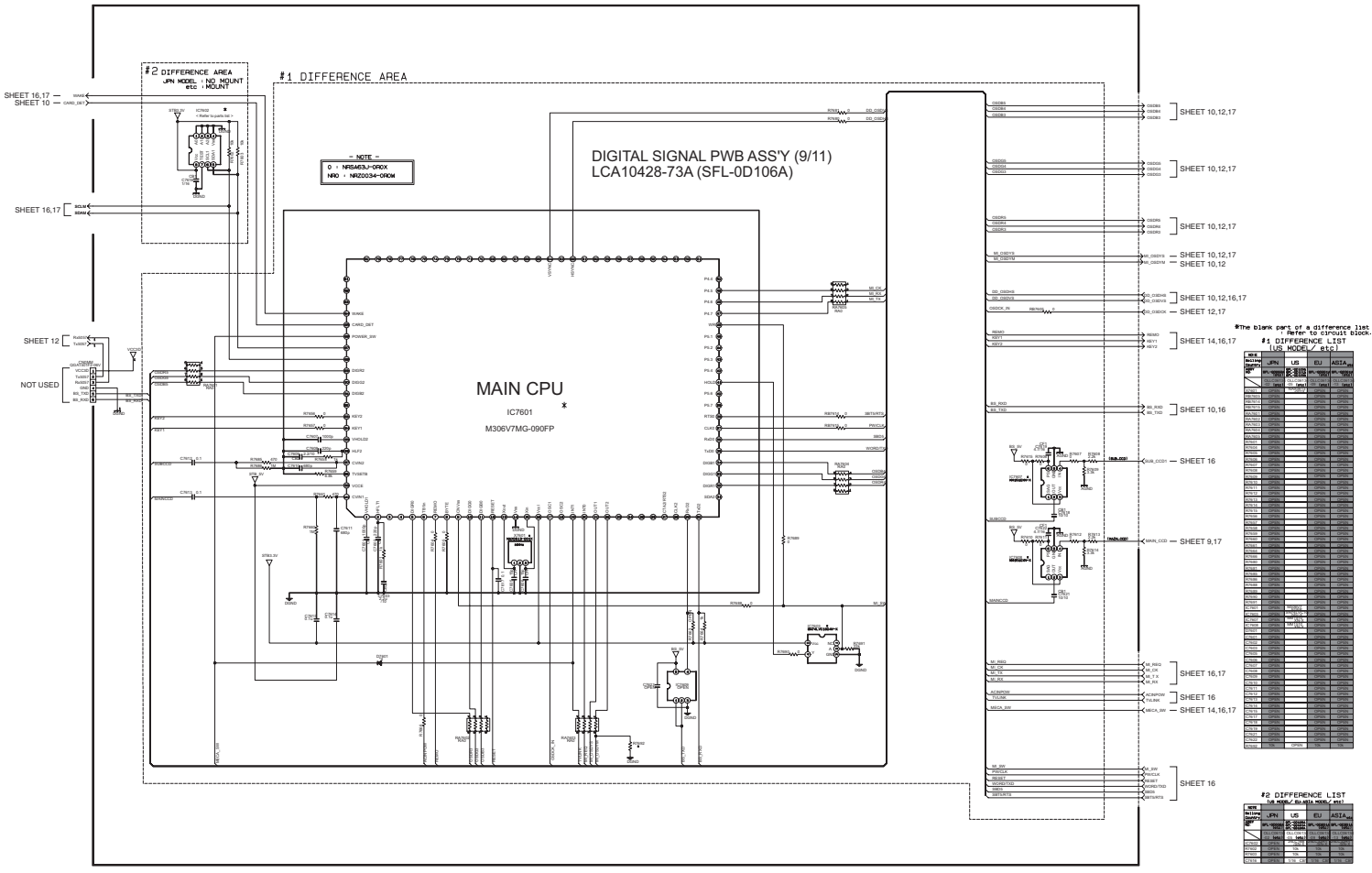
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (7/11) SHEET 13



DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (8/11) SHEET 14



DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (9/11) SHEET 15



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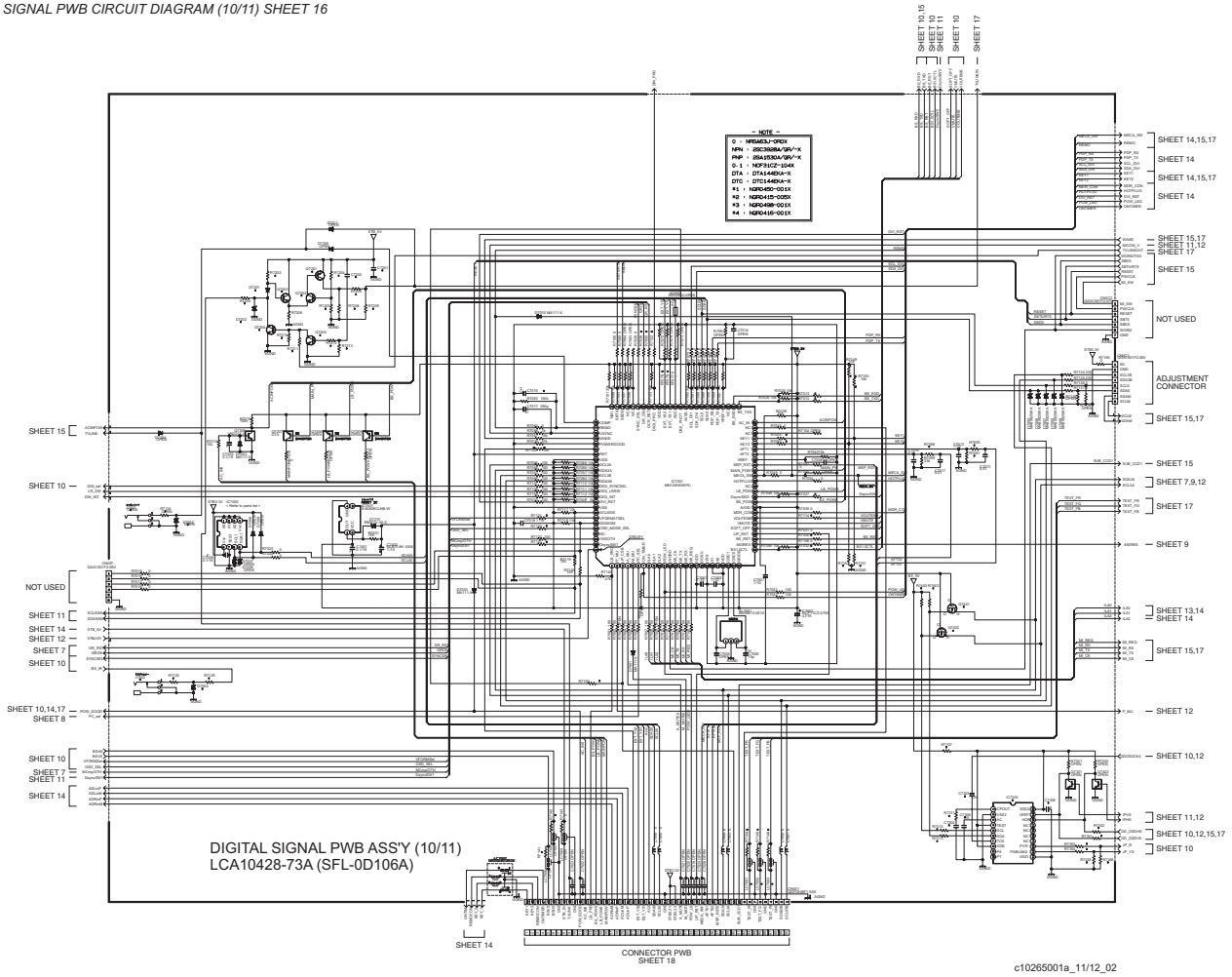
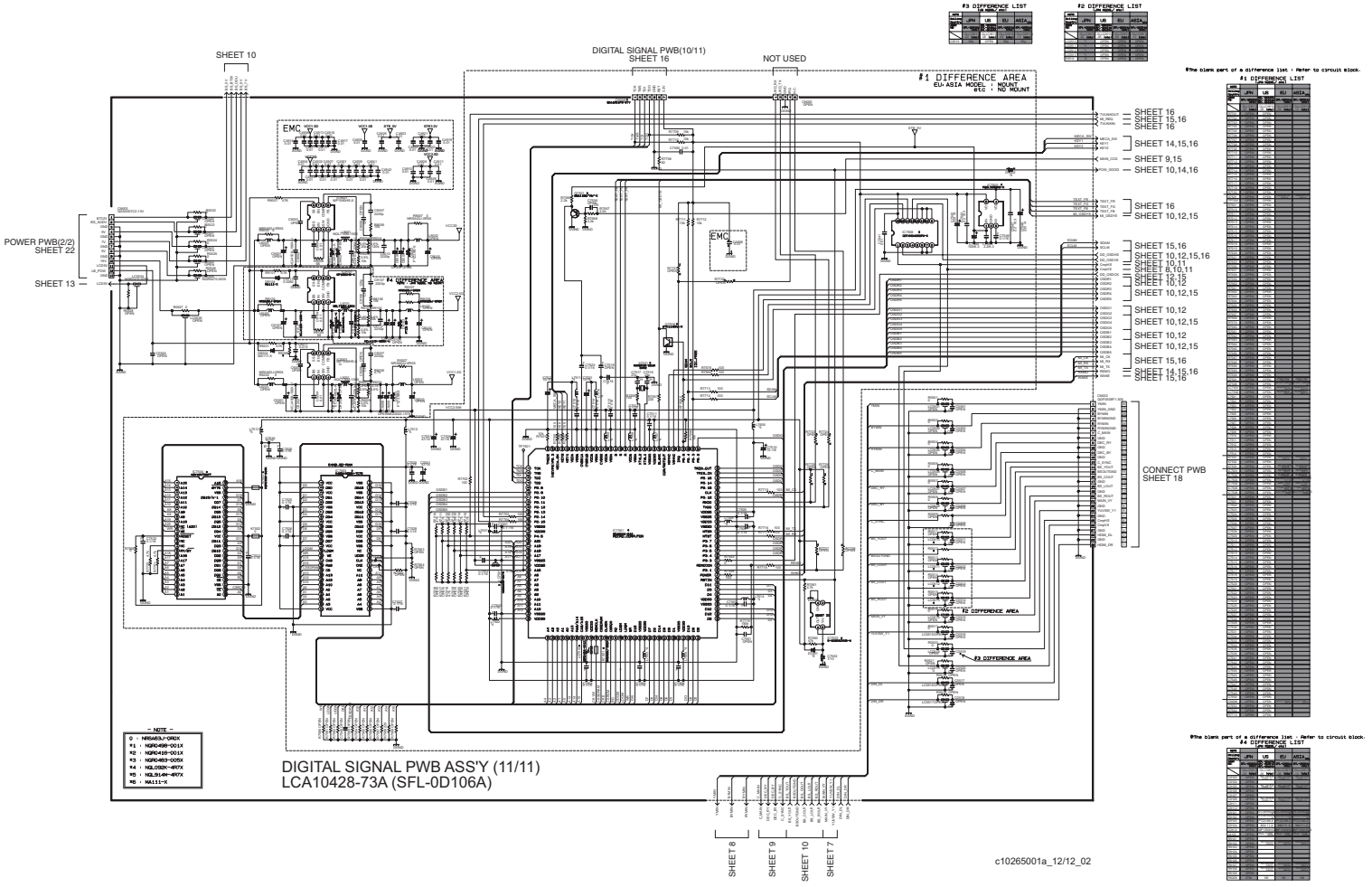
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (10/11) SHEET 16

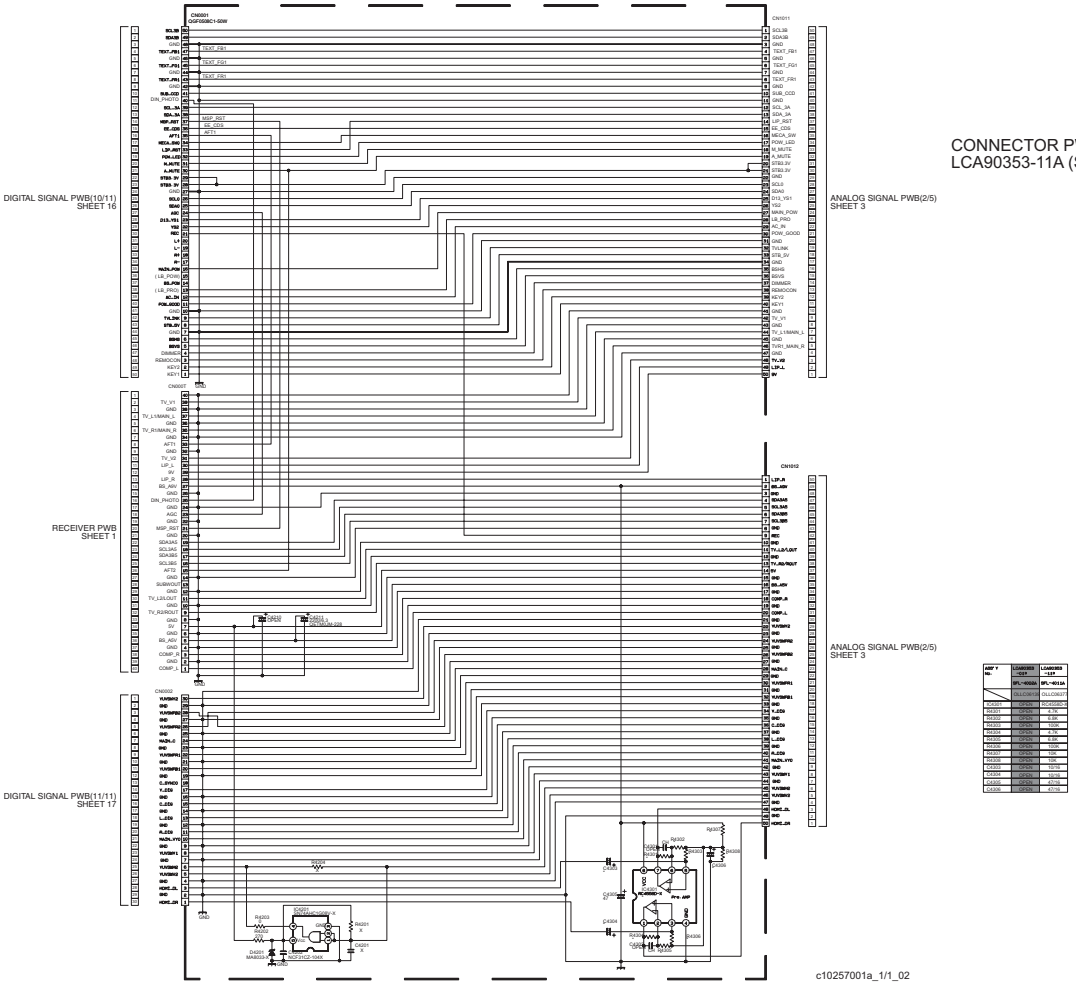


c10265001a_11/12_02

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (11/11) SHEET 17



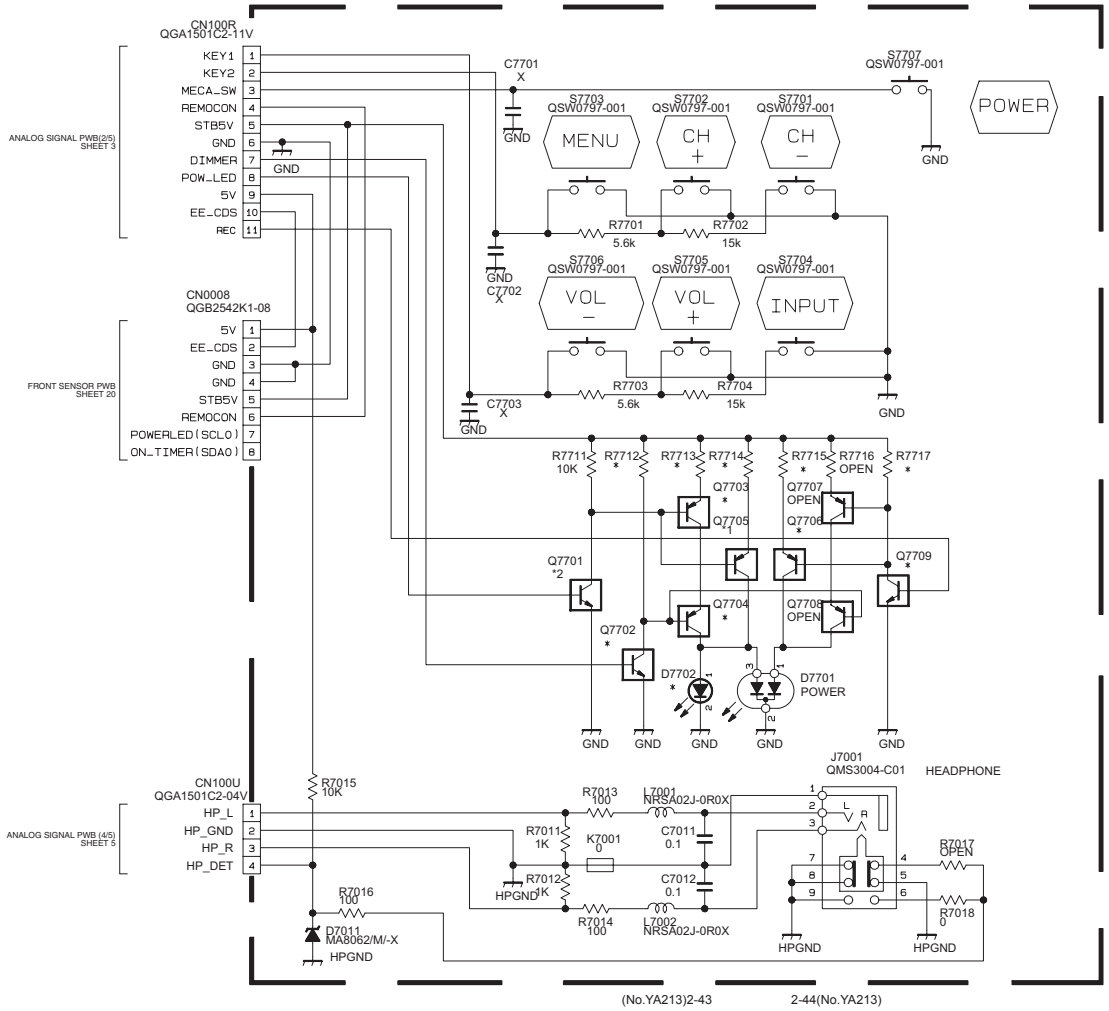
CONNECTOR PWB CIRCUIT DIAGRAM SHEET 18



CONNECTOR PWB ASS'Y
LCA90353-11A (SFL-4011A)

ASS'Y No.	LCA90353-10A#	LCA90353-11A#
	SFL-4010A	SFL-4011A
	MULTI-CHANNEL	MULTI-CHANNEL
CA5001	CAPACITOR	10UF/50V
CA5101	CAPACITOR	4.7K
CA5102	CAPACITOR	6.8K
CA5103	CAPACITOR	100K
CA5104	CAPACITOR	4.7K
CA5105	CAPACITOR	6.8K
CA5106	CAPACITOR	100K
CA5107	CAPACITOR	10K
CA5108	CAPACITOR	10K
CA5203	CAPACITOR	15/16
CA5204	CAPACITOR	15/16
CA5205	CAPACITOR	47/16
CA5206	CAPACITOR	47/16

FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 19

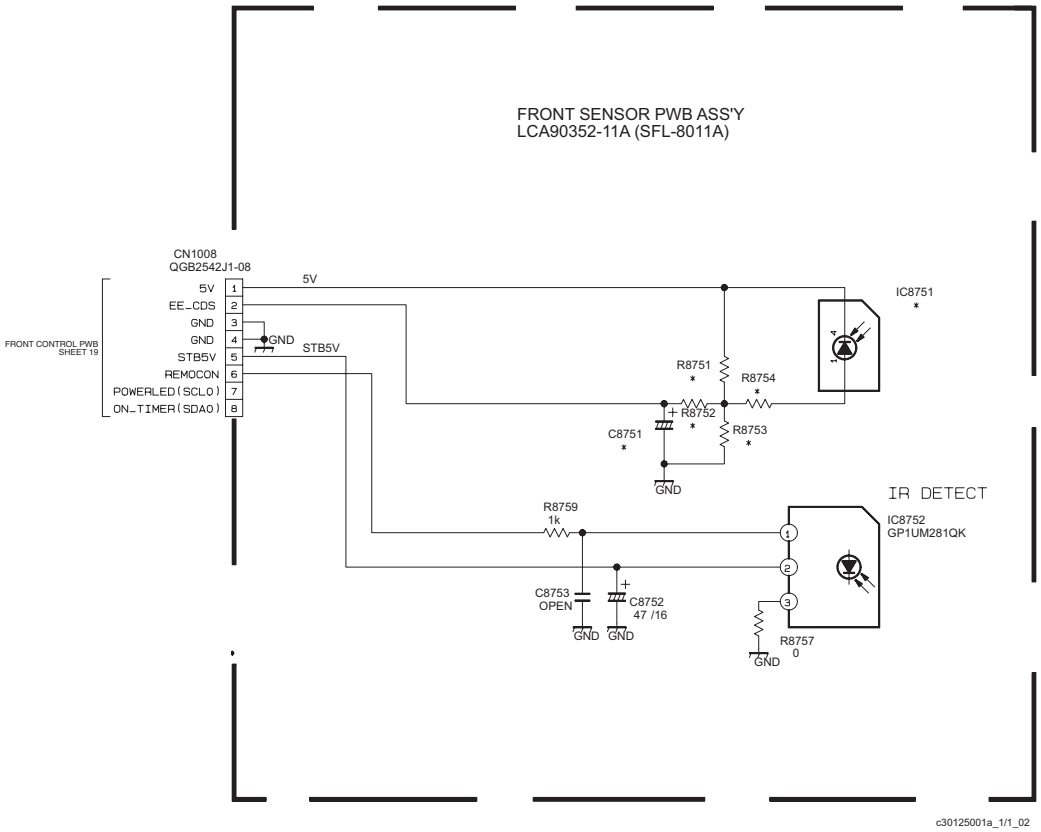


FRONT CONTROL PWB ASS'Y
LCA90351-11A (SFL-7011A)

ASS' Y No.	LCA90351 -01*	LCA90351 -11*
	SFL-7002A	SFL-7011A
	OLLC06137	OLLC06375
D7701	SML1216W	OPEN
D7702	OPEN	HLMPNS30 J00-T16
Q7702	OPEN	UN2212-X
Q7703	OPEN	UN2110-X
Q7704	OPEN	UN2110-X
Q7706	UN2110-X	OPEN
Q7709	UN2212-X	OPEN
R7712	OPEN	10K
R7713	OPEN	330
R7714	1.5K	2.2K
R7715	1.5K	OPEN
R7717	10K	OPEN

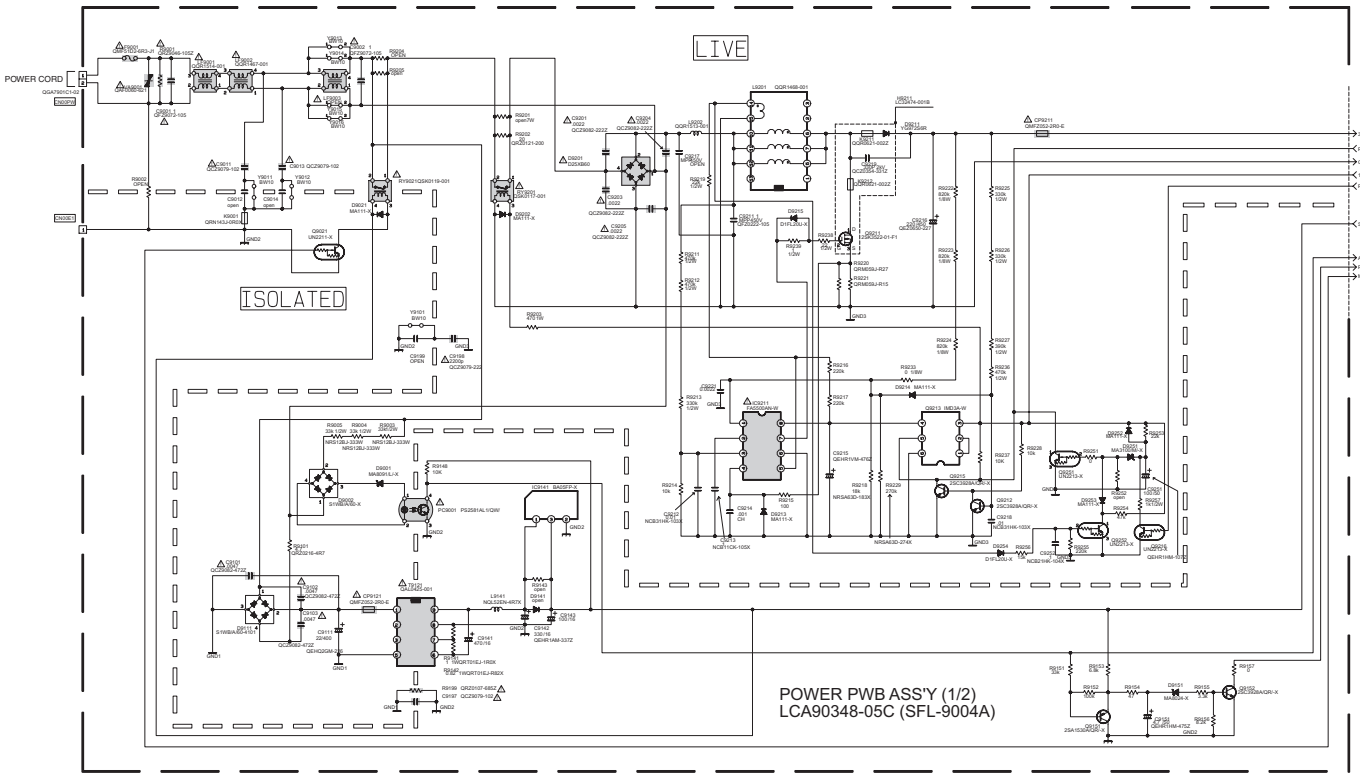
c30124001a_1/1_02

FRONT SENSOR PWB CIRCUIT DIAGRAM SHEET 20



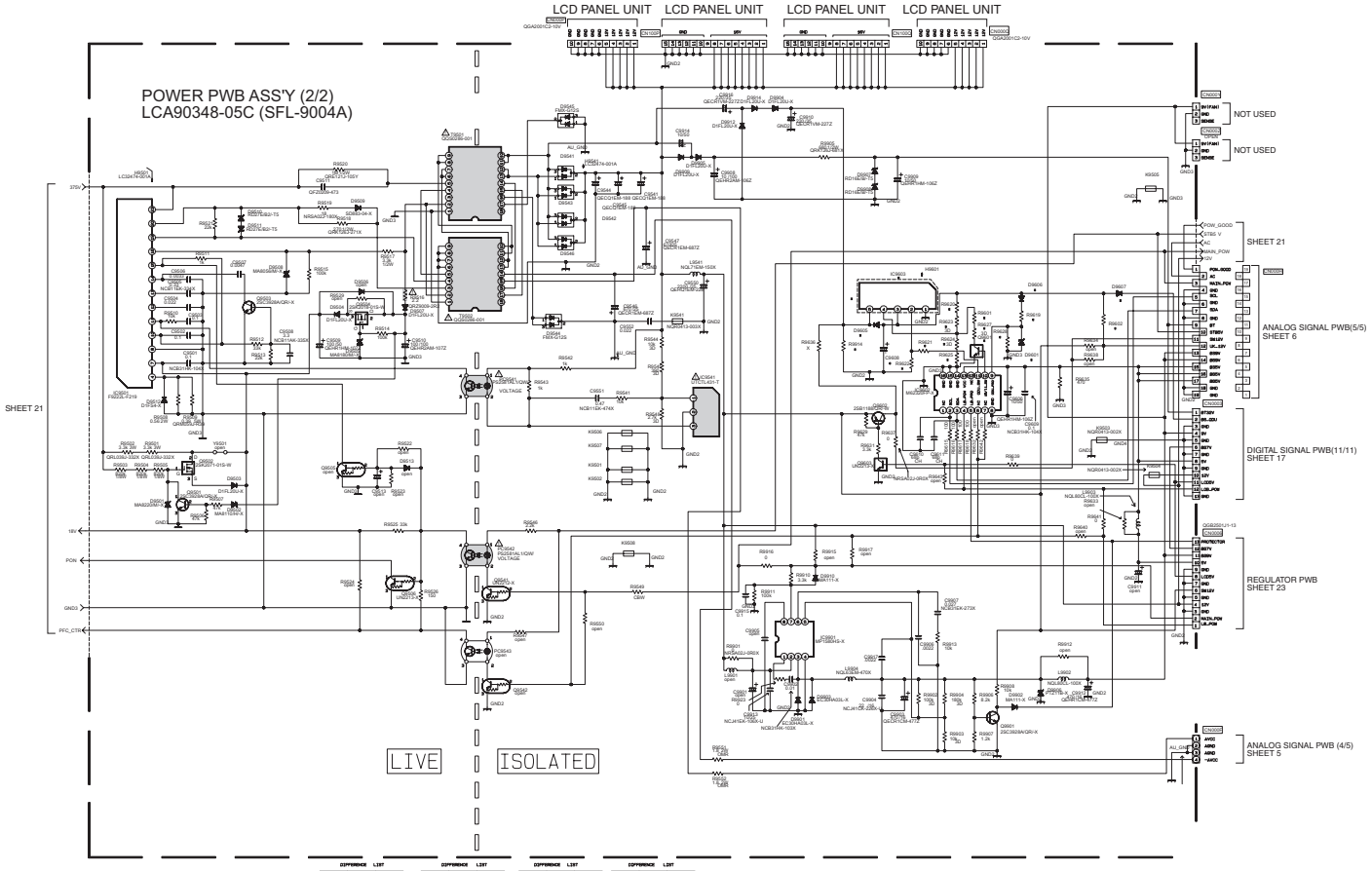
ASS' Y No.	LCA90352 -01*	LCA90352 -11*
	SFL-8002A	SFL-8011A
	OLLC06139	OLLC06377
IC8751	S9066-11	OPEN
R8751	270K	OPEN
R8752	100	OPEN
R8753	68K	OPEN
R8754	33K	OPEN
C8751	22/6.3	OPEN

POWER PWB CIRCUIT DIAGRAM (1/2) SHEET 21



c10258001a_1/2_02

POWER PWB CIRCUIT DIAGRAM (2/2) SHEET 22



ASSY NO. - MODEL LIST

SFL-9002A - LT-26LC50BA/BB/SA
SFL-9003A - LT-32LC50BA/SA
SFL-9004A - LT-26X589KA/X575KA
SFL-9005A - LT-32X589KA/575KA

DIFFERENCE LIST

NOTE	JPN: SFL-9003A	US: SFL-9004A
IC9603	NJU6972F1-L	open
Q9501	2SD2118	open
D9601	MA8051-M	open
D9602	DSF3A10	open
D9606	MA111-K	open

DIFFERENCE LIST

NOTE	JPN: SFL-9003A	US: SFL-9004A
D9607	DSF3A10	open
D9608	DSF3A10	open
R9618	12k	open
R9619	10k	open
R9620	150	open

DIFFERENCE LIST

NOTE	JPN: SFL-9003A	US: SFL-9004A
R9622	330k	open
R9623	RN1/4VT2203F 220k	open
R9626	RN1/4VT2203F 220k	open
R9625	10k	open
R9627	RN1/4VT2203F 10k	open

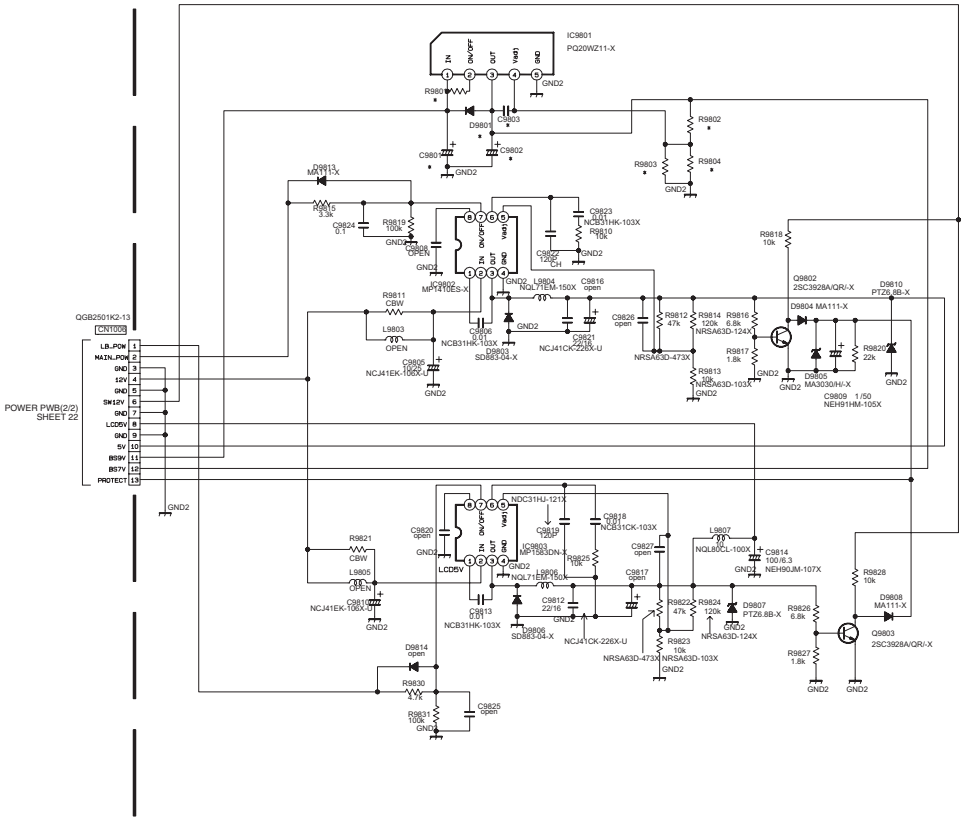
DIFFERENCE LIST

NOTE	JPN: SFL-9003A	US: SFL-9004A
R9628	10k	open
C9907	C2012X7R1H104K	open
C9908	C2012X7R1H104K	open
C9916	C2012X7R1H104K	open
C9918	C2012X7R1H104K	open

c10258001a_2/2_02

REGULATOR PWB CIRCUIT DIAGRAM SHEET 23

REGULATOR PWB ASS'Y
LCA90349-05B (SFL-9104A)



DIFFERENCE LIST

NOTE	JPN	US
	SFL-9102A etc	SFL-9104A etc
IC9801	PQ20WZ11-X	open
D9801	D1FS4-X	open
R9801	10k	open
R9802	NRSA63D-472X	open
R9803	NRSA63J-183X	open
R9804	NRSA63D-332X	open
C9801	NEH91CM-470X	open
C9802	NEH91CM-470X	open
C9803	NCB31HK-104X	open

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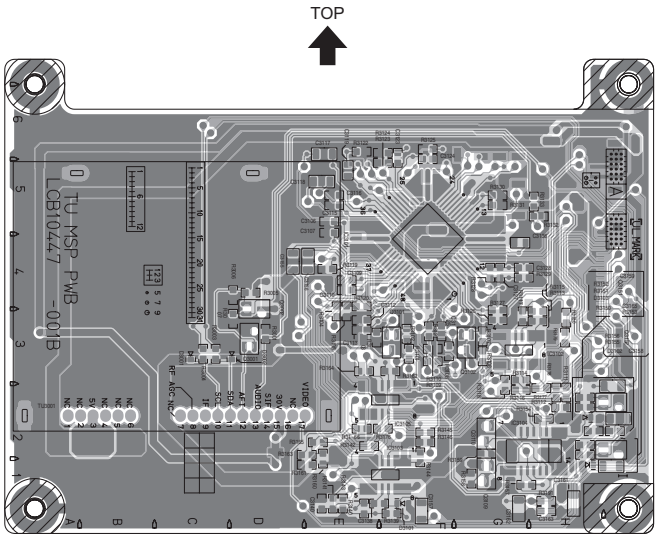
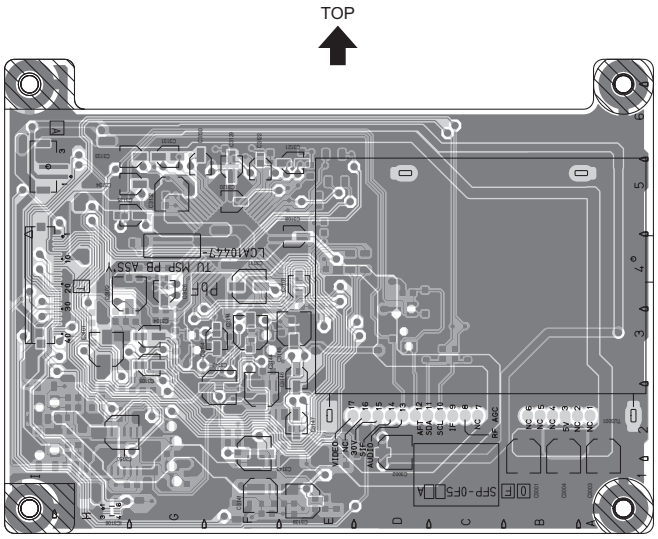
PATTERN DIAGRAMS

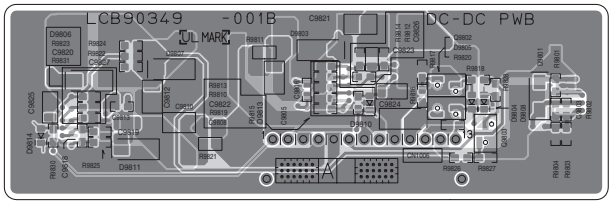
RECEIVER PWB PATTERN [SOLDER SIDE]



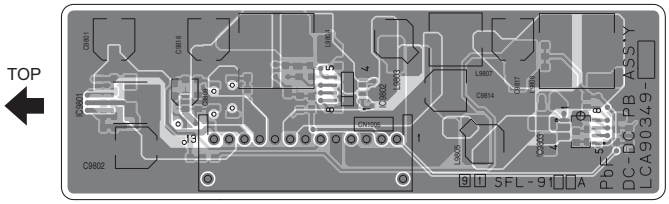
RECEIVER PWB PATTERN [PARTS SIDE]



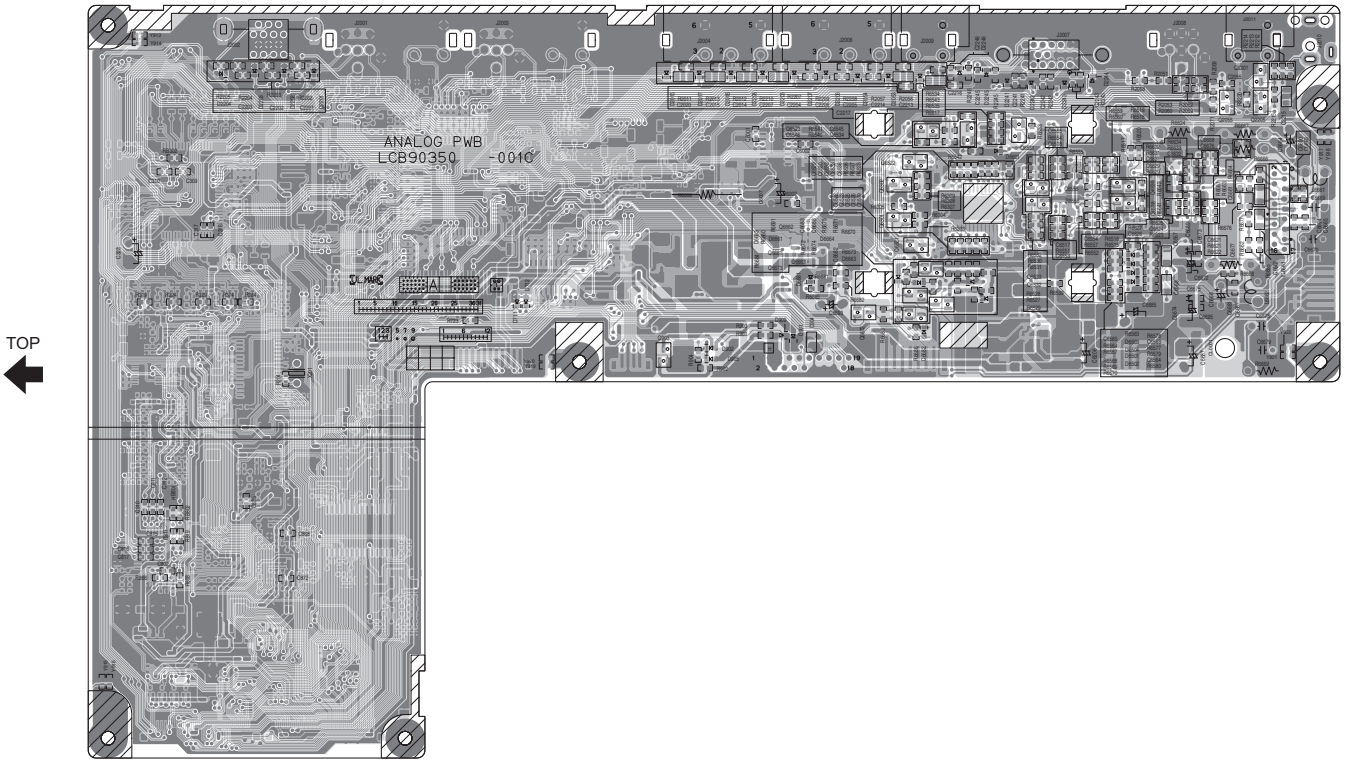
REGULATOR PWB PATTERN [SOLDER SIDE]



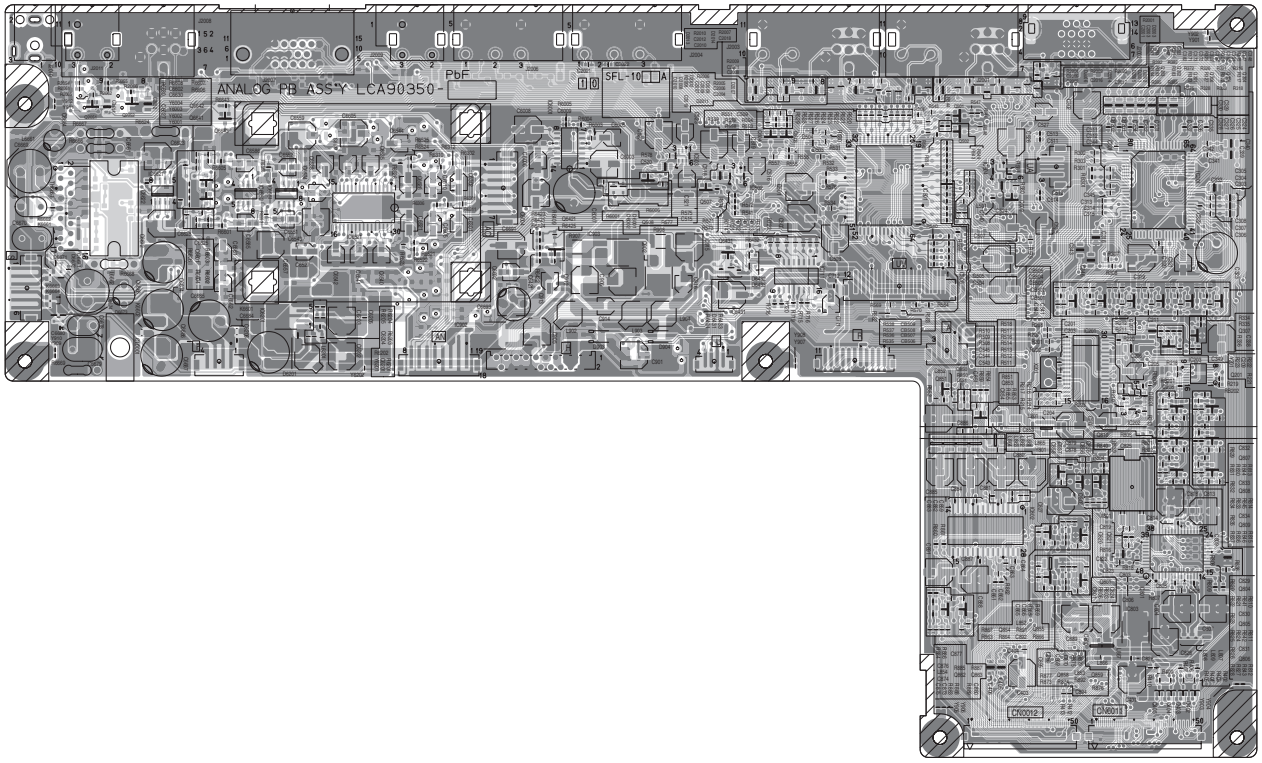
REGULATOR PWB PATTERN [PARTS SIDE]



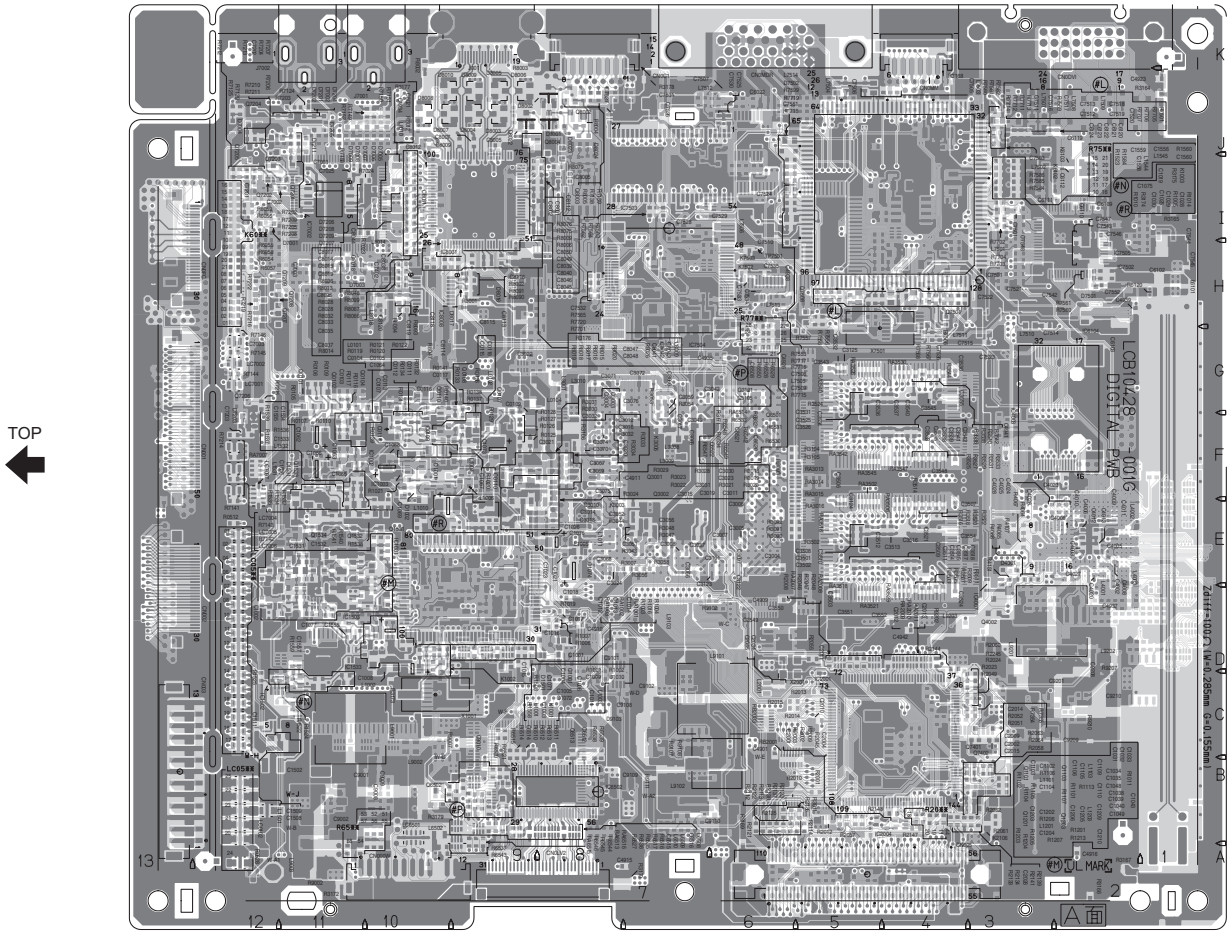
ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]



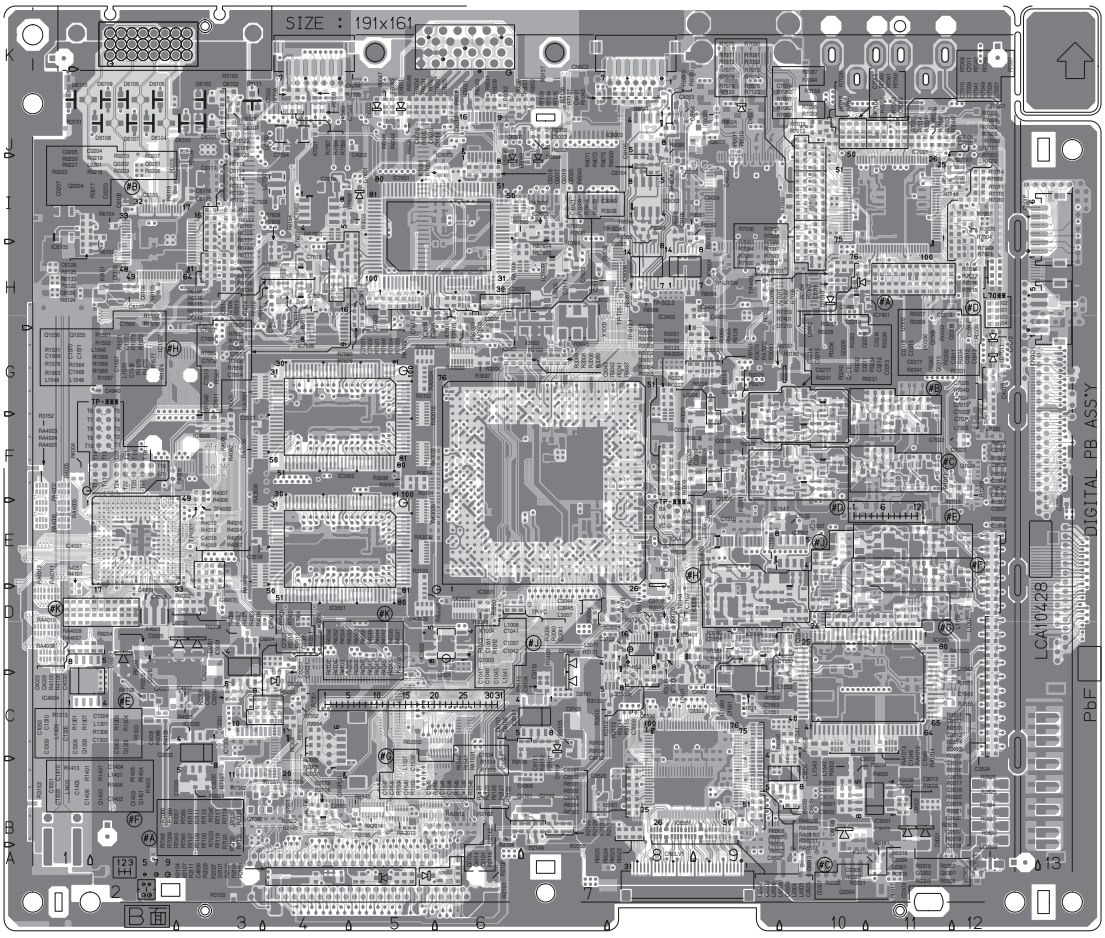
ANALOG SIGNAL PWB PATTERN [PARTS SIDE]



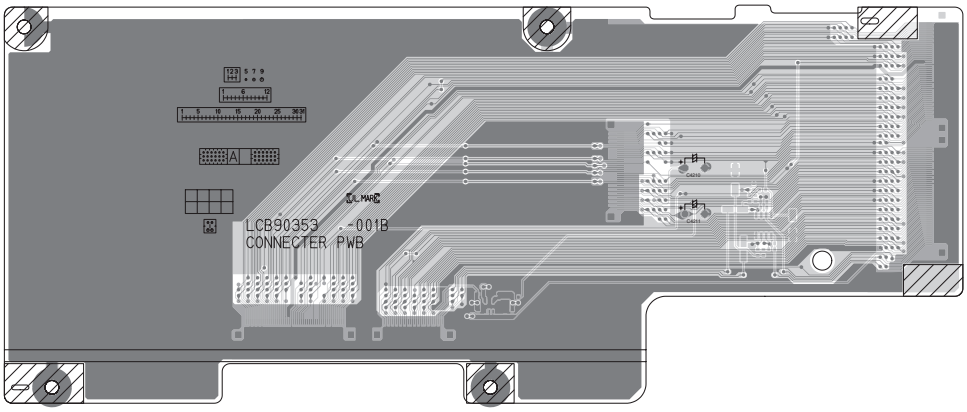
DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]



DIGITAL SIGNAL PWB PATTERN [PARTS SIDE]

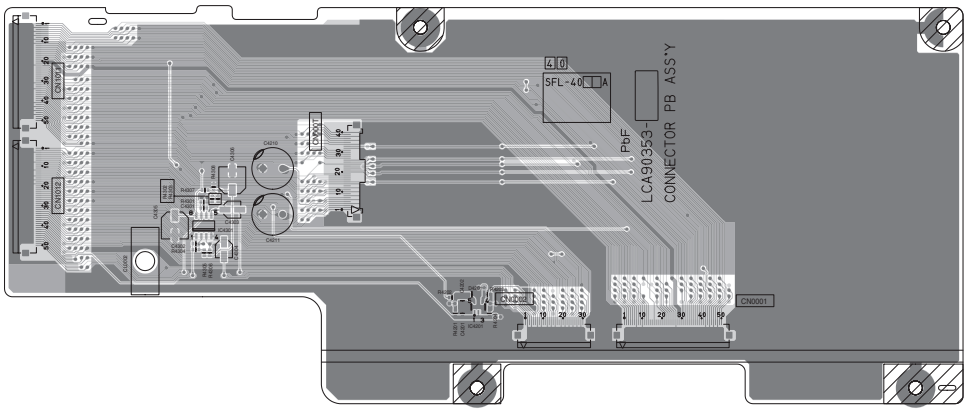


CONNECTOR PWB PATTERN [SOLDER SIDE]



TOP

CONNECTOR PWB PATTERN [PARTS SIDE]

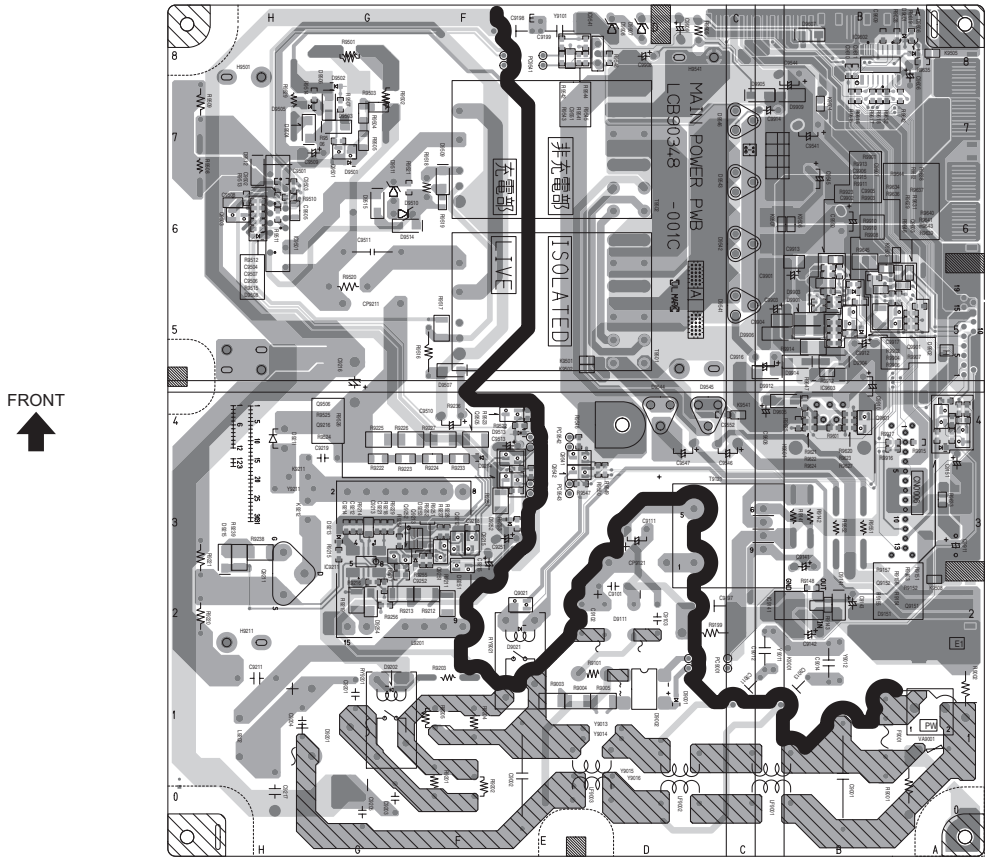


TOP

POWER PWB PATTERN [SOLDER SIDE]

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

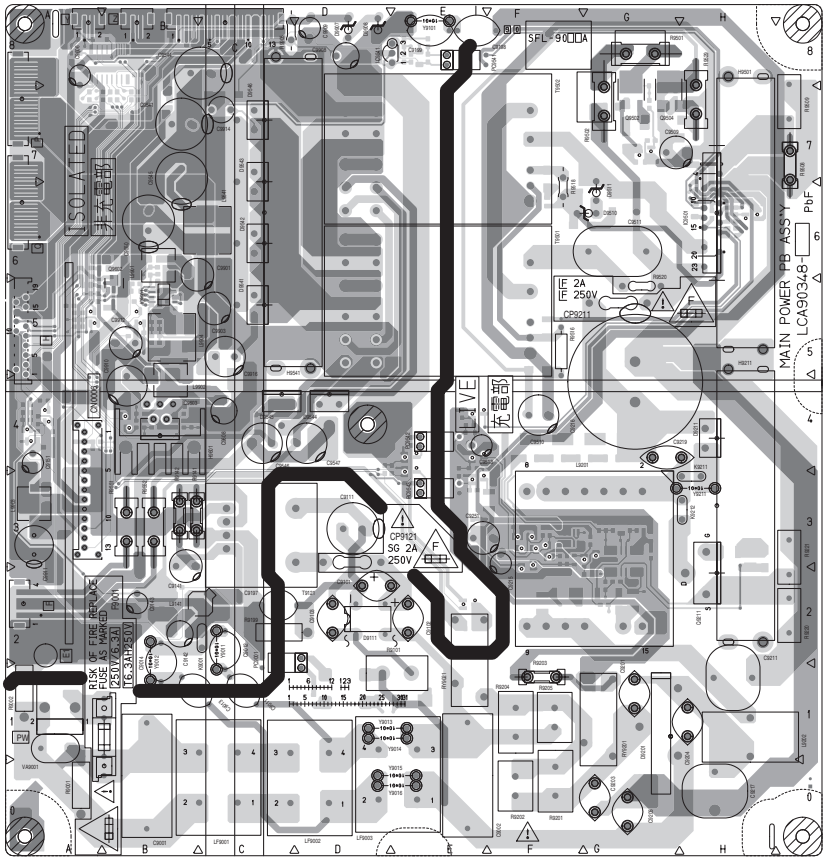
FRONT



POWER PWB PATTERN [PARTS SIDE]

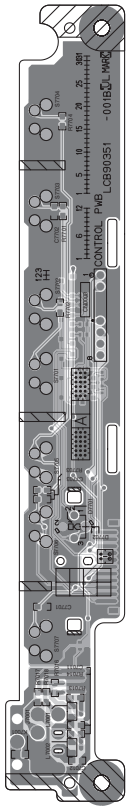
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

FRONT



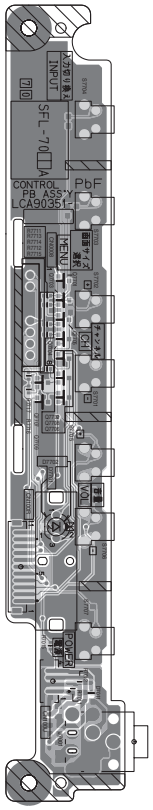
FRONT CONTROL PWB PATTERN [SOLDER SIDE]

TOP



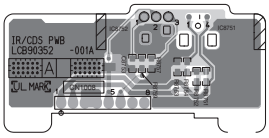
FRONT CONTROL PWB PATTERN [PARTS SIDE]

TOP



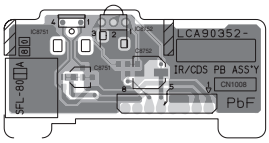
FRONT SENSOR PWB PATTERN [SOLDER SIDE]

TOP



FRONT SENSOR PWB PATTERN [PARTS SIDE]

TOP



VOLTAGE CHARTS

<RECEIVER>

[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC3101	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.9
6	4.8
7	0
8	0
9	4.1
10	4.1
11	4.0
12	4.3
13	4.0
14	1.3
15	1.2
16	0
17	0
18	3.2
19	9.0
20	0
21	4.1
22	4.1
23	4.1
24	3.9
25	4.0
26	4.0
27	4.1
28	2.1
29	4.0
30	2.1
31	2.0
32	4.0
33	4.1
34	4.1
35	4.0
36	4.0
37	4.1
38	4.1
39	4.1
40	4.1
41	1.2
42	4.1
43	4.1
44	4.0
45	4.5
46	4.1
47	4.1
48	4.1
IC3102	
1	4.5
2	4.5
3	4.5
4	0
5	4.4
6	4.5
7	4.5
8	9.0
Q3001	
E	3.7
C	0
B	3.1
Q3002	
E	3.1
C	9.0
B	3.7
TU3001	
2	0
3	5.0
4	0
5	0
6	9
7	0.8
8	1.8
9	0
10	5.2
11	5.2
12	3.1
13	2.9
14	0
15	31.3
16	0
17	1.9

<ANALOG SIGNAL>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC501	
1	4.0
2	4.5
3	4.0
4	4.5
5	4.4
6	0
7	0
8	4.0
9	4.5
10	4.0
11	4.5
12	4.5
13	0
14	0
15	4.0
16	4.5
17	4.0
18	4.5
19	4.4
20	0
21	0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.5
27	0
28	5.0
29	4.5
30	4.0
31	4.5
32	9.1
33	4.9
34	4.9
35	0
36	4.5
37	4.5
38	4.5
39	3.8
40	4.4
41	4.4
42	9.1
43	4.5
44	4.3
45	4.5
46	3.8
47	4.5
48	4.0
49	4.8
50	4.5
51	4.5
52	4.5
53	4.4
54	4.5
55	3.8
56	4.0
57	0
58	4.4
59	4.5
60	4.0
61	4.4
62	4.5
63	4.3
64	4.5
Q2051	
E	0
C	0
B	-0.4
Q2052	
E	0
C	0
B	0

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC711	
1	5.2
2	5.3
3	4.6
4	4.6
5	4.6
6	4.6
7	0.3
8	0
9	5.3
10	5.3
11	5.3
12	5.3
13	0
14	0
15	4.9
16	5.3
17	0
18	0
19	0.6
20	0
21	4.9
22	4.8
23	0
24	2.1
25	1.2
26	2.1
27	0
28	0.2
29	0
30	5.2
IC301	
1	5.2
2	4.9
3	4.9
4	0
5	4.6
6	00
7	4.7
8	5.1
9	4.7
10	0.5
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	5.1
18	4.7
19	4.7
20	4.5
21	4.5
22	0
23	4.5
24	4.5
25	0
26	4.3
27	4.4
28	0
29	0
30	4.3
31	9.0
32	0
33	0
34	0
35	4.5
36	4.5
37	0
38	4.5
39	4.5
40	0
41	4.5
42	0
43	4.6
44	0
45	0
46	4.6
47	9.0
48	4.7
49	0
50	4.7
51	0
52	4.7
53	0.5
54	4.5
55	4.5
56	0
57	4.7
58	0
59	4.7
60	0
61	4.7
62	0.5
63	4.5
64	4.5
65	0

MODE PIN NO.	DC (V)
D	2.9
G	4.9
Q403	
S	3.1
D	3.0
G	4.9
Q404	
S	3.2
D	3.2
G	5.2
Q405	
S	3.1
D	3.2
G	5.2
Q801	
E	2.8
C	0
B	2.1
Q802	
E	2.6
C	0
B	2.0
Q810	
E	2.0
C	0
B	1.3
Q851	
E	1.6
C	0
B	1.0
Q853	
E	2.0
C	9.0
B	2.7
Q854	
E	2.7
C	9.0
B	3.2
Q855	
E	1.9
C	0
B	1.3
Q858	
E	3.1
C	9.0
B	3.87
Q859	
E	3.7
C	0
B	3.1
Q862	
E	1.0
C	4.1
B	1.6
Q863	
E	3.4
C	5.1
B	4.1

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC201	
1	0.4
2	0.2
3	0
4	0
5	0
6	0
7	6.2
8	0
9	4.9
10	0
11	8.8
12	1.2
13	0
14	0
15	0.1
16	0
17	0
18	0
19	0.6
20	0
21	4.9
22	4.8
23	0
24	2.1
25	1.2
26	2.1
27	0
28	0.2
29	0
30	5.2
IC301	
1	5.2
2	4.9
3	4.9
4	0
5	4.6
6	00
7	4.7
8	5.1
9	4.7
10	0.5
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	5.1
18	4.7
19	4.7
20	4.5
21	4.5
22	0
23	4.5
24	4.5
25	0
26	4.3
27	4.4
28	0
29	0
30	4.3
31	9.0
32	0
33	0
34	0
35	4.5
36	4.5
37	0
38	4.5
39	4.5
40	0
41	4.5
42	0
43	4.6
44	0
45	0
46	4.6
47	9.0
48	4.7
49	0
50	4.7
51	0
52	4.7
53	0.5
54	4.5
55	4.5
56	0
57	4.7
58	0
59	4.7
60	0
61	4.7
62	0.5
63	4.5
64	4.5
65	0

MODE PIN NO.	DC (V)
66	4.7
67	2.5
68	4.7
69	0.1
70	4.5
71	0
72	0
73	5.2
74	4.7
75	0
76	0
77	0
78	4.5
79	4.5
Q302	
E	3.7
C	9.0
B	4.5
Q303	
E	3.7
C	9.0
B	4.5
Q307	
E	2.9
C	0
B	2.2

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC6001	
1	8.8
2	4.1
3	0.4
4	0.8
5	4.0
6	2.0
7	0
8	0
9	4.1
10	4.1
11	0.8
12	0.4
13	4.1
14	0
IC6201	
1	15.6
2	2.8
3	12.3
4	2.6
5	0
IC6521	
1	6.2
2	6.2
3	6.1
4	6.1
5	6.1
6	6.2
7	6.2
8	6.2
9	0.9
10	6.2
11	3.2
12	3.1
13	4.9
14	5.0
15	0
16	12.3
17	0
18	0
19	5.9
20	6.4
21	6.2
22	6.2
23	6.2
24	6.2
25	6.2
26	6.1
27	6.1
28	6.2
29	6.2
30	6.1
IC6551	
1	6.3
2	6.1
3	6.2
4	0
5	6.2
6	6.2
7	6.3
8	12.3
IC6552	
1	6.2
2	6.3
3	6.2
4	0
5	6.1
6	6.2
7	6.2
8	12.3
IC6621	
1	-15.9
2	0.2
3	0
4	-15.9
5	0
6	0
7	-15.9
8	15.0
IC6661	
1	-15.9
2	-15.9
3	-15.8
4	-15.8
5	15.6
6	10.5
7	1.8
8	-15.9
9	-15.9
10	-15.9
11	1.9
12	10.6
13	15.6
14	-15.8
15	-15.3
16	-15.9
17	-15.9

MODE PIN NO.	DC (V)
Q6301	
E	5.4
C	12.2
B	6.0
Q6302	
E	5.4
C	12.3
B	5.9
Q6431	
E	9.0
C	-1.4
B	9.4
Q6521	
E	0
C	0
B	-0.2
Q6522	
E	0
C	0
B	-0.2
Q6523	
E	0
C	-0.3
B	0
Q6531	
E	0
C	2.8
B	0
Q6532	
E	0
C	0
B	0.6
Q6533	
E	0
C	0
B	0.6
Q6534	
E	0.7
C	0.6
B	0.1
Q6538	
E	0
C	0
B	0
Q6539	
E	0
C	0
B	0
Q6661	
E	15.6
C	15.5
B	0
Q6662	
E	-15.9
C	-15.8
B	-15.2
Q6663	
E	0
C	0
B	2.8
Q6672	
E	0
C	8.9
B	0
Q6673	
E	8.5
C	-0.2
B	8.9

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC902	
1	5.0
2	0
3	3.2
Q902	
E	5.9
C	5.2
B	5.2

<DIGITAL SIGNAL>

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC1502	
1	4.3
2	0
3	4.4
4	0
5	3.6
6	0
7	3.6
8	0

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC6401	
1	3.2
2	0.2
3	0
4	3.2
5	3.3
Q0101	
E	2.8
C	8.0
B	3.8
Q0102	
E	8.7
C	3.7
B	8.0
Q0104	
E	4.4
C	0
B	3.7
Q0107	
E	1.6
C	0
B	0.8
Q0108	
B	1.5
Q0109	
1	1.4
2	0
3	0
4	1.5
5	0
6	1.5
Q0110	
1	0
2	0.6
3	0
4	0
5	0.6
6	0
Q0201	
E	3.0
C	7.9
B	3.7
Q0202	
E	8.7
C	3.9
B	7.9
Q0203	
E	0
C	2.0
B	0
Q0204	
E	4.7
C	0
B	4.0
Q0206	
E	1.8
B	2.4
Q0209	
1	2.4
2	0.1
3	0
4	2.5
5	0
6	4.0
Q0210	
1	0
2	0.6
3	0.1
4	0.1
5	0.5
6	0.1
Q0301	
E	3.1
C	7.9
B	3.8
Q0302	
E	8.7
C	3.9
B	7.8
Q0303	
E	0
C	2.0
B	0
Q0304	
E	4.7
C	0
B	4.0
Q0307	
E	2.5
C	0

MODE PIN NO.	DC (V)
B	2.0
Q0308	
E	1.8
C	9.1
B	2.4
Q0309	
1	0
2	0.1
3	2.4
4	2.5
5	0.1
6	2.5
Q0310	
1	0
2	0.6
3	0.6
4	0.1
5	0.3
6	0.1

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC1001	
1	2.5
2	1.0
3	1.2
4	0
5	3.3
6	1.7
7	1.6
8	0
9	0
10	1.5
11	0.2
12	0.2
13	0.2
14	0
15	0.2
16	0.2
17	1.5
18	0.2
19	0.2
20	0
21	1.5
22	0.2
23	0.2
24	3.3
25	0.2
26	0.2
27	0
28	0
29	0
30	3.2
31	3.2
32	3.2
33	0
34	0
35	0
36	1.5
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	1.3
56	1.2
57	0
58	1.2
59	2.5
60	0
61	1.1
62	3.3
63	0
64	0
65	1.0
66	0.8
67	0
68	1.0
69	0
70	1.5
71	0.9
72	0.8

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
73	0
74	2.3
75	0.2
76	0
77	1.6
78	1.5
79	0
80	1.1
81	0.9
82	1.7
83	1.3
84	0
85	1.1
86	0
87	0.8
88	0.8
89	1.7
90	1.2
91	2.5
92	1.1
93	0
94	1.2
95	0.8
96	2.5
97	2.0
98	0
99	1.1
100	1.5
Q1001	
E	0
C	3.3
B	0
Q1003	
E	1.4
C	2.5
B	2.0
Q1004	
E	4.3
C	0
B	3.7
Q1101	
E	3.0
C	9.0
B	3.7
Q1103	
E	1.8
C	0
B	1.2
Q1201	
E	3.8
C	0
B	4.5
Q1203	
E	2.1
C	0
B	1.4
Q1301	
E	3.9
C	9.1
B	4.6
Q1303	
E	2.6
C	0
B	1.9

MODE PIN NO.	DC (V)
IC3004	
1	3.2
2	3.3
3	0.2
4	0.2
5	3.3
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	5.3
IC3005	
1	0
2	0
3	0
4	0
5	3.3
IC3006	
1	3.2
2	0.2
3	0
4	0
5	0
6	0
7	0
8	3.3
IC3403	
1	0
2	3.3
3	0
4	3.3
IC3501	
1	1.2
2	2.4
3	1.2
4	1.2
IC3502	
1	1.2
2	2.4
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.4
15	2.4
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0.4
24	0.4
25	1.7
26	1.7
27	1.7
28	0
29	0.7
30	0.6
31	0.7
32	0.7
33	0.7
34	0.7
35	2.4
36	0.7
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.7
48	0.7
49	0.7
50	0
51	0.7
52	0
53	1.7
54	1.3
55	1.2

MODE PIN NO.	DC (V)
56	0.4
57	0.4
58	1.2
59	2.5
60	1.2
61	1.2
62	0
63	1.2
64	1.2
65	2.5
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	0
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.5
96	2.5
97	1.2
98	1.2
99	0
100	0
IC3503	
1	0
2	2.4
3	1.2
4	1.2
5	2.5
6	2.4
7	2.5
8	1.2
Q3001	
E	2.2
C	3.5
B	2.8
Q3002	
E	2.9
C	0
B	2.2
Q3003	
E	0.7
C	3.3
B	1.4
Q3004	
E	1.4
C	0
B	0.7

[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC4003	
1	0
2	0
3	0
4	0
5	0
6	0
7	3.2
8	3.3
9	7
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0.3
22	0.5
23	0.4
24	0
25	0.5
26	0.5
27	0.5
28	0.5
29	0.4
30	3.3
31	0
32	3.3
IC4004	
1	0
2	0
3	0
4	0
5	3.3
6	3.2
7	0
8	3.3
IC4005	
1	2.7
2	1.4
3	-1.0
4	3.3
Q4001	
E	0
B	0.3
C	0.6

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC6502	
1	3.3
2	0.8
3	1.4
4	0
5	0
6	0.3
7	0
8	0
9	3.2
10	0.9
11	0
12	0.3
13	0
14	1.5
15	1.1
16	0
17	0
18	0.6
19	0.7
20	0.8
21	0
22	0.4
23	0.4
24	0
25	1.6
26	3.2
27	3.3
28	0
29	0
30	2.7
31	1.2
32	3.3
33	0
34	0
35	0
36	0
37	1.1
38	1.3
39	1.2

[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC6504	
1	3.3
2	0
3	3.3
4	3.3
5	2.5

MODE PIN NO.	DC (V)
40	1.2
41	1.2
42	1.2
43	0
44	3.3
45	1.1
46	1.3
47	1.1
48	1.3
49	0
50	0.7
51	0.9
52	0.8
53	0
54	0.4
55	0.4
56	0.7
IC6501	
E	0
C	4.7
B	0
CN00W	
1	2.9
2	3.3
3	0
4	0
5	3.0
6	3.0
7	3.0
8	4.5
9	4.9
10	0
11	0.2
12	0
CN01V2	
1	0
2	0
3	0
4	3.3
5	3.2
6	0
7	1.3
8	0.1
9	0
10	0
11	1.2
12	1.2
13	0
14	1.3
15	1.2
16	1.3
17	0
18	0
19	1.2
20	0
21	0
22	0
23	3.3
24	3.3
25	3.3
26	0
27	4.9
28	4.9
29	4.9
30	4.9
31	3.3

MODE PIN NO.	DC (V)
IC7601	
1	0.2
2	1.5
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	3.2
13	1.7
14	0
15	1.5
16	0
17	0
18	1.4
19	3.2
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	3.2
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	1.9
46	0
47	0
48	3.2
49	0
50	2.0
51	3.2
52	0
53	3.2
54	3.2
55	3.2
56	3.2
57	3.2
58	3.2

MODE PIN NO.	DC (V)
97	0.6
98	0
99	5.0
100	2.0
IC7602	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
IC7603	
1	0
2	0
3	0
4	3.2
5	3.3
IC7607	
1	2.0
2	2.0
3	5.3
4	1.7
5	0
6	5.3
IC7608	
1	2.0
2	2.0
3	5.3
4	1.7
5	0
6	5.3

<FRONT CONTROL>

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC7001	
1	3.2
2	0
3	0
4	2.8
5	0
6	0
7	3.1
8	0
9	0
10	3.2
11	3.2
12	3.2
13	3.2
14	0
15	3.2
16	0
17	3.2
18	0
19	0
20	3.2
21	3.2
22	3.2
23	1.5
24	1.4
25	3.2
26	0
27	0
28	0
29	0
30	3.2
31	0
32	0
33	0
34	3.2
35	0
36	3.1
37	0
38	3.2
39	0
40	3.2
41	0
42	3.2
43	0
44	0
45	1.9
46	0
47	0
48	3.2
49	0
50	2.0
51	3.2
52	0
53	3.2
54	3.2
55	3.2
56	3.2
57	3.2
58	3.2

MODE PIN NO.	DC (V)
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	3.3
67	0
68	3.2
69	3.2
70	3.2
71	3.2
72	0
73	3.2
74	3.2
75	3.2
76	3.2
77	3.4
78	0
79	3.3
80	0
81	0
82	3.2
83	3.2
84	3.2
85	3.2
86	3.2
87	3.2
88	0
89	0
90	2.8
91	0
92	0
93	3.2
94	0
95	3.2
96	3.2
97	0
98	0
99	3.2
100	2.4
IC7002	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
IC7401	
1	3.2
2	3.2
3	0
4	0
Q7206	
E	3.0
C	2.9
B	0
Q7

WAVEFORMS

RECEIVER PWB
(SHEET1)

TU-3001-17

0.8 Vp-p

ANALOG SIGNAL PWB (1/5)
(SHEET2)

IC501-44

1.8 Vp-p

IC501-49

1.8 Vp-p

IC501-53

1.8 Vp-p

IC501-56

1.8 Vp-p

IC501-63

0.9 Vp-p

ANALOG SIGNAL PWB (2/5)
(SHEET3)

IC801-1

0.8 Vp-p

IC801-3

1.8 Vp-p

IC801-4

4.8 Vp-p

IC801-5

0.7 Vp-p

IC801-7

0.3 Vp-p

IC801-9

4.4 Vp-p

IC801-11

0.7 Vp-p

IC801-21

0.5 Vp-p

IC801-22

0.6 Vp-p

IC801-23

0.6 Vp-p

IC801-38

0.3 Vp-p

IC801-46

0.8 Vp-p

IC802-7

0.8 Vp-p

IC802-19

0.5 Vp-p

IC802-25

1.5 Vp-p

IC802-27

0.7 Vp-p

ANALOG SIGNAL
PWB (3/5) (SHEET4)

IC201-1

4.4 Vp-p

IC201-2

4.6 Vp-p

IC201-9

0.2 Vp-p

IC201-19

2.8 Vp-p

IC201-26

0.8 Vp-p

IC201-29

3.0 Vp-p

IC301-35

0.9 Vp-p

IC301-36

0.8 Vp-p

IC301-38

1.0 Vp-p

IC301-43

1.4 Vp-p

IC301-44

1.4 Vp-p

IC301-46

1.0 Vp-p

IC301-74

0.5 Vp-p

IC301-75

0.4 Vp-p

IC301-76

0.8 Vp-p

DIGITAL SIGNAL
PWB (1/11) (SHEET7)

IC1502-1

1.8 Vp-p

IC1502-5

1.6 Vp-p

IC1502-7

1.6 Vp-p

DIGITAL SIGNAL
PWB (3/11) (SHEET9)

IC1001-7

4.6 Vp-p

IC1001-58

4.8 Vp-p

IC1001-75

3.3 Vp-p

IC1001-76

3.2 Vp-p

IC1001-85

0.6 Vp-p

DIGITAL SIGNAL
PWB (7/11) (SHEET13)

IC1001-92

0.7 Vp-p

IC1001-94

0.7 Vp-p

IC6502-27

3.3 Vp-p

IC6502-28

3.2 Vp-p

IC6502-31

3.0 Vp-p

DIGITAL SIGNAL
PWB (9/11) (SHEET15)

IC7601-13

3.0 Vp-p

IC7601-15

2.4 Vp-p

IC7601-17

5.2 Vp-p

IC7601-97

1.7 Vp-p

IC7601-100

1.7 Vp-p

IC7607-2

2.0 Vp-p

IC7607-4

0.8 Vp-p

IC7608-2

2.0 Vp-p

IC7608-4

0.8 Vp-p

DIGITAL SIGNAL
PWB (10/11) (SHEET16)

IC7001-23

2.2 Vp-p

IC7001-24

4.2 Vp-p

IC7001-78

3.2 Vp-p

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(No.YA213)

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WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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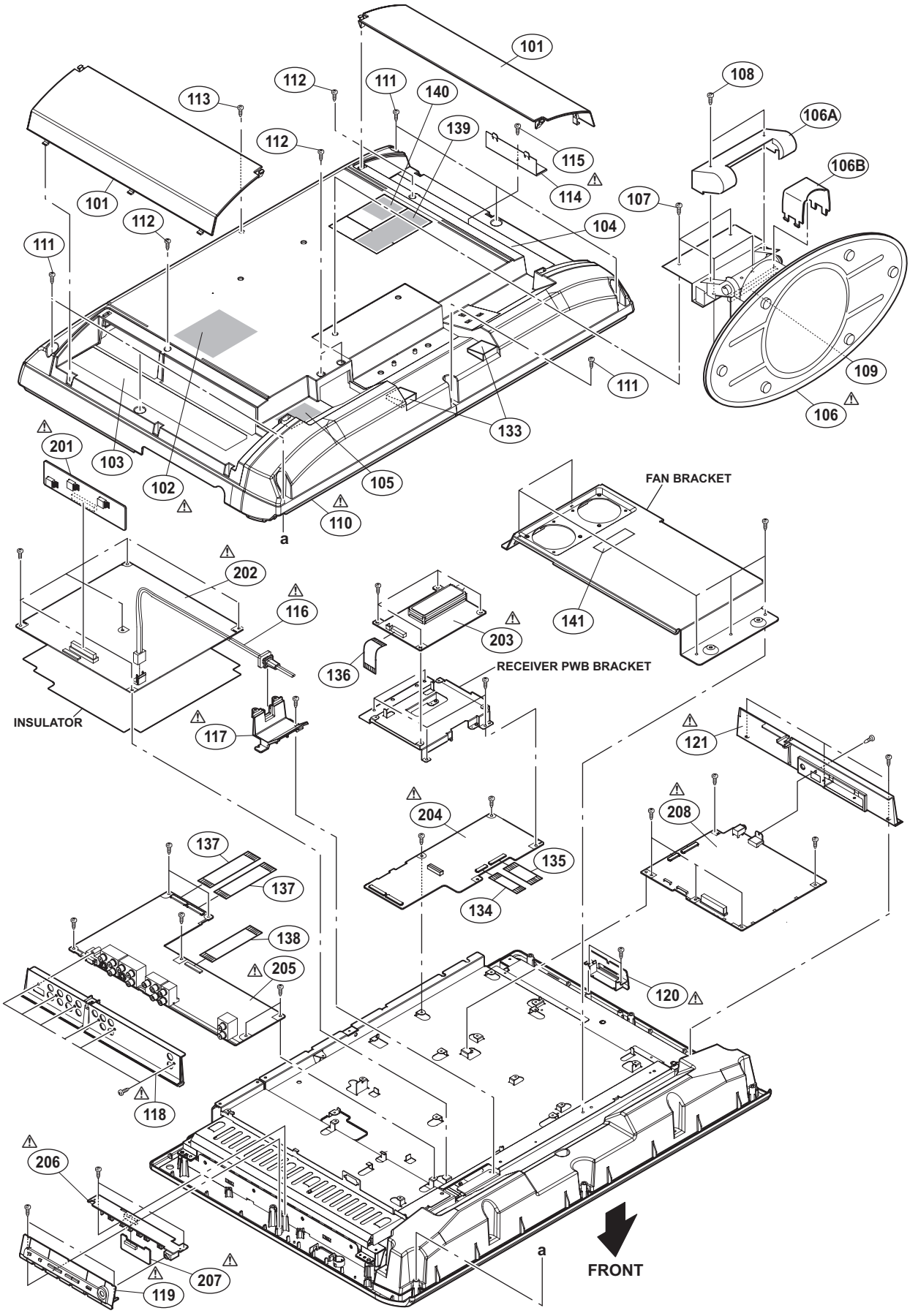
USING P.W. BOARD & REMOTE CONTROL UNIT

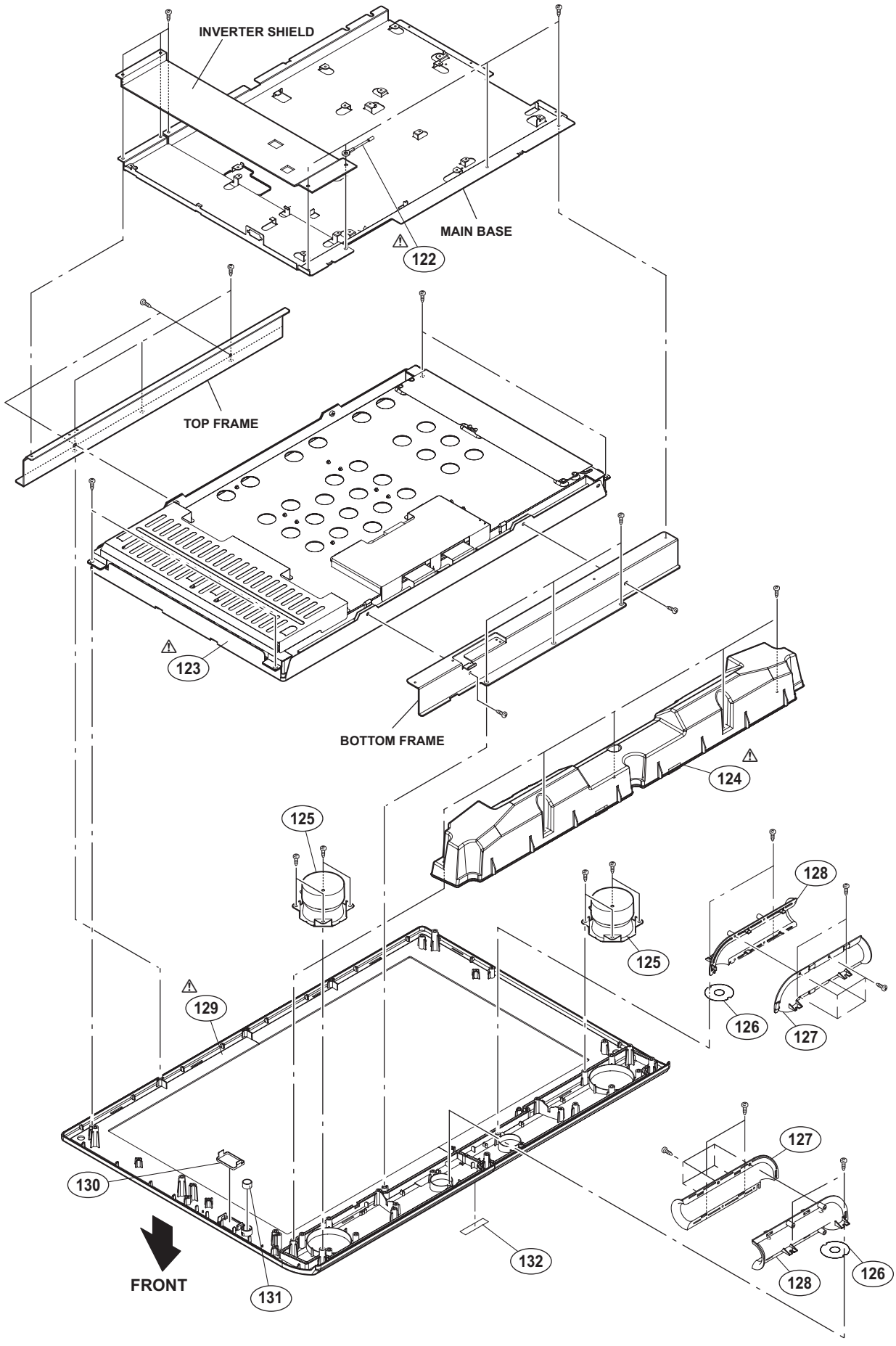
P.W.B ASS'Y name	P.W.B ASS'Y No.
ANALOG SIGNAL P.W.B	LCA90350-11C (SFL-1011A)
CONNECTOR P.W.B	LCA90353-11A (SFL-4011A)
FRONT CONTROL P.W.B	LCA90351-11A (SFL-7011A)
FRONT SENSOR P.W.B	LCA90352-11A (SFL-8011A)
POWER P.W.B	LCA90348-05C (SFL-9004A)
REGULATOR P.W.B	LCA90349-05B (SFL-9104A)
DIGITAL SIGNAL P.W.B	LCA10428-73A (SFL-0D106A)
RECEIVER P.WB.	LCA10447-51A (SFL-0F101A)
REMOTE CONTROL UNIT	RM-C1257G-1H

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	101	LC11981-001B-HK	JACK COVER	(x2)	
⚠	102	LC21580-001B-0L	RATING LABEL		
	103	LC32748-002B-H	OPERATION SHEET		
	104	LC32749-002A-H	OPERATION SHEET		
	105	LC41999-002A	CAUTION LABEL		
⚠	106	LC41967-001C-C	STAND ASSY		
	106A	128-023	STAND COVER		
	106B	128-020	CORD COVER		
	107	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
	108	QYSPSPD3016ZA	SCREW	M3 x 16mm(x2)	
	109	LC42002-001B	STAND SHEET		
⚠	110	LC11972-001B-HK	REAR COVER		
	111	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x7)	
	112	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x4)	
	113	QYSPSPD3008MA	SCREW	M3 x 8mm	
⚠	114	LC32760-001A-HK	SERVICE COVER		
	115	QYSBSF3010MA	TAP SCREW	M3 x 10mm	
⚠	116	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	
⚠	117	LC21348-001D-HK	POWER CORD HOLDER		
⚠	118	LC21596-002B-HK	TERMINAL BASE		
⚠	119	LC32351-005A	CONTROL KNOB ASSY		
⚠	120	LC32698-002B-HK	CARD BASE		
⚠	121	LC21597-002C-HK	TUNER BASE		
⚠	122	QUB190-12FXHM	SIN TWIST WIRE		
⚠	123	QLD0337-001	LCD PANEL UNIT		
⚠	124	LC11633-001B	SPEAKER BOX		
	125	QAS0142-001	SPEAKER	SP01/SP02(x2)	
	126	LC42001-001B	DUCT SHEET	(x2)	
	127	LC21339-001A-HK	DUCT BASE	(x2)	
	128	LC21340-001B-HK	DUCT COVER	(x2)	
⚠	129	LC11973-004A-HK	FRONT PANEL ASSY		
	130	LC32747-001C-HK	SENSOR WINDOW		
	131	LC41901-001C-HK	LED LENS		
	132	CM48006-010-C	JVC MARK		
	133	LC30599-078A	STICK SHEET	(x2)	
	134	QUQ105-3004AA	FFC WIRE	30pin 4cm	
	135	QUQ105-5004AA	FFC WIRE	50pin 4cm	
	136	QUQ105-4006AL	FFC WIRE	40pin 6cm	
	137	QUQ105-5009AE	FFC WIRE	50pin 9cm(x2)	
	138	QUQ212-1906CH	FFC WIRE	19pin 6cm	
	139	LC32912-001A-A	BBE LABEL		
	140	LC41424-001A-A	HDMI WARNING		
	141	LC40822-001A	WARNING LABEL		
⚠	201	LCA90349-05B	REGULATOR PWB		
⚠	202	LCA90348-05C	MAIN POWER PWB		
⚠	203	LCA10447-51A	RECEIVER PWB		
⚠	204	LCA90353-11A	CONNECTOR PWB		
⚠	205	LCA90350-11C	ANALOG SIGNAL PWB		
⚠	206	LCA90351-11A	FRONT CONTROL PWB		
⚠	207	LCA90352-11A	FRONT SENSOR PWB		
⚠	208	LCA10428-73A	DIGITAL SIGNAL PWB		

EXPLODED VIEW




INVERTER SHIELD
MAIN BASE
122
TOP FRAME
123
BOTTOM FRAME
124
125
125
128
126
127
129
127
130
132
126
128
131
FRONT

PRINTED WIRING BOARD PARTS LIST

ANALOG SIGNAL P.W. BOARD ASS'Y (LCA90350-11C) (SFL-1011A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC201	TA1370FG-X	IC		
IC301	AN15852A	IC		
IC501	CXA2069Q	IC		
IC711	CXA1875AM-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC902	TA48M033F-X	IC		
IC903	BA09FP-X	IC		
IC6001	NJM2777M-X	IC		
IC6201	PQ20WZ11-X	IC		
IC6521	NJW1137M-W	IC		
IC6551	RC4558D-X	IC		
IC6552	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8925ST/N1	IC		
Q301	2SC3837K/NP/-X	TRANSISTOR		
Q302	2SC3837K/NP/-X	TRANSISTOR		
Q303	2SC3837K/NP/-X	TRANSISTOR		
Q307	2SA1530A/QR/-X	TRANSISTOR		
Q402	2SK1374-X	MOS FET		
Q403	2SK1374-X	MOS FET		
Q404	2SK1374-X	MOS FET		
Q405	2SK1374-X	MOS FET		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q810	2SA1530A/QR/-X	TRANSISTOR		
Q851	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q902	2SC3074/OY/-X	TRANSISTOR		
Q2051	UN2226-X	DIGI TRANSISTOR		
Q2052	UN2226-X	DIGI TRANSISTOR		
Q2055	UN2110-X	DIGI TRANSISTOR		
Q6301	2SC3928A/QR/-X	TRANSISTOR		
Q6302	2SC3928A/QR/-X	TRANSISTOR		
Q6431	2SA1530A/QR/-X	TRANSISTOR		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6538	2SC3928A/QR/-X	TRANSISTOR		
Q6539	2SC3928A/QR/-X	TRANSISTOR		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC3928A/QR/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
Q6672	2SC3928A/QR/-X	TRANSISTOR		
Q6673	2SA1530A/QR/-X	TRANSISTOR		
D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W	J
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
D2001	MA8100/M/-X	Z DIODE		
D2002	MA8100/M/-X	Z DIODE		
D2004	MA8100/M/-X	Z DIODE		
D2005	MA8100/M/-X	Z DIODE		
D2006	MA8100/M/-X	Z DIODE		
D2007	MA8100/M/-X	Z DIODE		
D2008	MA8100/M/-X	Z DIODE		
D2010	MA8100/M/-X	Z DIODE		
D2011	MA8100/M/-X	Z DIODE		
D2012	MA8100/M/-X	Z DIODE		
D2013	MA8100/M/-X	Z DIODE		
D2014	MA8100/M/-X	Z DIODE		
D2015	MA8100/M/-X	Z DIODE		
D2016	MA8100/M/-X	Z DIODE		
D2017	MA8100/M/-X	Z DIODE		
D2053	MA8100/M/-X	Z DIODE		
D2054	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2207	MA8100/M/-X	Z DIODE		

⚠Ref No.	Part No.	Part Name	Description	Local
D6001	MA111-X	SI DIODE		
D6002	MA111-X	SI DIODE		
D6201	MA111-X	SI DIODE		
D6431	MA111-X	SI DIODE		
D6432	MA111-X	SI DIODE		
D6433	MA111-X	SI DIODE		
D6501	MA111-X	SI DIODE		
D6502	MA111-X	SI DIODE		
D6503	MA111-X	SI DIODE		
D6504	MA111-X	SI DIODE		
D6601	MA8062/M/-X	Z DIODE		
D6663	MA8033-X	Z DIODE		
D6664	MA111-X	SI DIODE		
D6671	MA8200-X	Z DIODE		
D6672	MA8200-X	Z DIODE		
D6673	MA8200-X	Z DIODE		
D6674	MA8200-X	Z DIODE		
D6681	MA111-X	SI DIODE		
D6682	MA111-X	SI DIODE		
D6683	MA111-X	SI DIODE		
DB201	MA8033-X	Z DIODE		
C201	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C202	NEH71HM-225X	E CAPACITOR	2.2uF	50V M
C203	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C204	NEZ0022-157X	E CAPACITOR	150uF	10V M
C205	NEH71HM-105X	E CAPACITOR	1uF	50V M
C206	NCB11CK-474X	C CAPACITOR	0.47uF	16V K
C207	NCF31CZ-104X	C CAPACITOR	0.1uF	16V Z
C301	NCF31CZ-104X	C CAPACITOR	0.1uF	16V Z
C302	NEH71CM-476X	E CAPACITOR	47uF	16V M
C313	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C314	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C315	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C316	NCB11CK-105X	C CAPACITOR	1uF	16V K
C317	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C318	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C319	NEH71CM-476X	E CAPACITOR	47uF	16V M
C320	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C321	NEH71CM-106X	E CAPACITOR	10uF	16V M
C322	NCF31CZ-104X	C CAPACITOR	0.1uF	16V Z
C323	QETM1AM-228	E CAPACITOR	2200uF	10V M
C324	NCB11CK-105X	C CAPACITOR	1uF	16V K
C325	NCB11CK-105X	C CAPACITOR	1uF	16V K
C326	NCB11CK-105X	C CAPACITOR	1uF	16V K
C327	NCB11CK-105X	C CAPACITOR	1uF	16V K
C328	NCB11CK-105X	C CAPACITOR	1uF	16V K
C329	NCB11CK-105X	C CAPACITOR	1uF	16V K
C330	NCB11CK-105X	C CAPACITOR	1uF	16V K
C335	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C336	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C337	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C341	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C342	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C343	NCB11CK-105X	C CAPACITOR	1uF	16V K
C346	NCB11CK-105X	C CAPACITOR	1uF	16V K
C349	NEN51EM-106X	BP E CAPACITOR	10uF	25V M
C372	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C382	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C392	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
C501	NEH71CM-476X	E CAPACITOR	47uF	16V M
C502	NEH71CM-476X	E CAPACITOR	47uF	16V M
C503	NEN51EM-106X	BP E CAPACITOR	10uF	25V M
C505	NEN51EM-106X	BP E CAPACITOR	10uF	25V M
C506	NDC31HJ-270X	C CAPACITOR	27pF	50V J
C541	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C542	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C543	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C544	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C545	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C711	NEH71CM-106X	E CAPACITOR	10uF	16V M
C712	NCF31CZ-104X	C CAPACITOR	0.1uF	16V Z
C801	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C802	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C803	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C804	NEH71CM-476X	E CAPACITOR	47uF	16V M
C805	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C806	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C807	NEH71CM-476X	E CAPACITOR	47uF	16V M
C808	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C809	NCF11CZ-475X	C CAPACITOR	4.7uF	16V Z
C813	NEH71CM-476X	E CAPACITOR	47uF	16V M
C814	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C818	NEH71HM-106X	E CAPACITOR	10uF	50V M

⚠Ref No.	Part No.	Part Name	Description Local
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C880	NEH71AM-107X	E CAPACITOR	100uF 10V M
C881	NEH71AM-107X	E CAPACITOR	100uF 10V M
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C884	NEH71AM-107X	E CAPACITOR	100uF 10V M
C885	NEH71AM-107X	E CAPACITOR	100uF 10V M
C886	NEH71HM-106X	E CAPACITOR	10uF 50V M
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C888	NEH71AM-107X	E CAPACITOR	100uF 10V M
C889	NEH71HM-106X	E CAPACITOR	10uF 50V M
C890	NEH71HM-106X	E CAPACITOR	10uF 50V M
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C906	NEH71CM-476X	E CAPACITOR	47uF 16V M
C912	NEH71CM-476X	E CAPACITOR	47uF 16V M
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C915	NEH71CM-476X	E CAPACITOR	47uF 16V M
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2016	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2017	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2018	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2019	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2020	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2055	NCB31CK-105X	C CAPACITOR	1uF 16V K
C2204	NCB31CK-105X	C CAPACITOR	1uF 16V K
C2205	NCB31CK-105X	C CAPACITOR	1uF 16V K
C2206	NCB31CK-105X	C CAPACITOR	1uF 16V K
C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C6003	NEH71AM-107X	E CAPACITOR	100uF 10V M

⚠Ref No.	Part No.	Part Name	Description Local
C6004	NEH71AM-107X	E CAPACITOR	100uF 10V M
C6005	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6006	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6007	QETM1AM-108	E CAPACITOR	1000uF 10V M
C6008	NEH71HM-106X	E CAPACITOR	10uF 50V M
C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6202	NEH71EM-336X	E CAPACITOR	33uF 25V M
C6203	NEH71EM-336X	E CAPACITOR	33uF 25V M
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6301	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M
C6302	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M
C6431	NEH71CM-476X	E CAPACITOR	47uF 16V M
C6505	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6510	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6521	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6527	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6528	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6534	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6535	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6537	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6538	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6540	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6541	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6542	NEH71EM-475X	E CAPACITOR	4.7uF 25V M
C6543	NEH71CM-476X	E CAPACITOR	47uF 16V M
C6544	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6551	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6552	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6553	NCB31CK-683X	C CAPACITOR	0.068uF 16V K
C6554	NCB31CK-683X	C CAPACITOR	0.068uF 16V K
C6555	NCB31CK-683X	C CAPACITOR	0.068uF 16V K
C6556	NCB31CK-683X	C CAPACITOR	0.068uF 16V K
C6557	NEH71CM-476X	E CAPACITOR	47uF 16V M
C6559	NEH71CM-476X	E CAPACITOR	47uF 16V M
C6561	NEH71HM-105X	E CAPACITOR	1uF 50V M
C6562	NEH71HM-225X	E CAPACITOR	2.2uF 50V M
C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6585	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6586	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6605	NEH71CM-476X	E CAPACITOR	47uF 16V M
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6623	NEH71EM-226X	E CAPACITOR	22uF 25V M
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6628	NEH71EM-226X	E CAPACITOR	22uF 25V M
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6664	QETM1HM-226	E CAPACITOR	22uF 50V M
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6666	QETM1HM-226	E CAPACITOR	22uF 50V M
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6669	QFV21HJ-224	MF CAPACITOR	0.22uF 50V J
C6670	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6672	QETM1EM-477	E CAPACITOR	470uF 25V M
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6674	QETM1EM-477	E CAPACITOR	470uF 25V M

⚠Ref No.	Part No.	Part Name	Description Local
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6678	QFV21HJ-224	MF CAPACITOR	0.22uF 50V J
C6679	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6685	QETM1EM-477	E CAPACITOR	470uF 25V M
C6687	QETM1EM-477	E CAPACITOR	470uF 25V M
C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6691	NEH71HM-106X	E CAPACITOR	10uF 50V M
C6692	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6693	NEH71CM-476X	E CAPACITOR	47uF 16V M
R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R540	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2055	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2061	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2062	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2065	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2066	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2069	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2071	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2210	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J
R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6515	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6516	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R6519	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R6558	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R6560	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6624	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6666	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6667	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6668	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6669	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L201	NQL914K-101X	COIL	100uH K
L807	NQR0413-003X	FERRITE BEADS	
L808	NQR0413-003X	FERRITE BEADS	
L809	NQR0413-003X	FERRITE BEADS	
L851	NQL092K-6R8X	P COIL	6.8uH K
L852	NQL092K-6R8X	P COIL	6.8uH K
L853	NQL092K-6R8X	P COIL	6.8uH K
L854	NQL092M-270X	P COIL	27uH M
L855	NQL904J-560X	COIL	56uH J
L861	NQL914K-220X	COIL	22uH K
L862	NQL914K-101X	COIL	100uH K
L863	NQL914K-101X	COIL	100uH K
L864	NQL914K-101X	COIL	100uH K
L865	NQL914K-220X	COIL	22uH K
L866	NQL914K-220X	COIL	22uH K
L867	NQL914K-220X	COIL	22uH K
L902	NQL52EM-220X	COIL	22uH M
L903	NQL52EM-220X	COIL	22uH M
L904	NQL52EM-220X	COIL	22uH M
L6661	QQL28AK-560	COIL	56uH K
L6662	QQL28AK-560	COIL	56uH K
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
J2001	QNZ0726-001	AV JACK	INPUT-1 (S/V/L/R)
J2003	QNZ0726-001	AV JACK	INPUT-2 (S/V/L/R)
J2004	QNN0651-001	PIN JACK	INPUT-3 (V/L/R)
J2006	QNN0650-001	PIN JACK	INPUT-1 (COMPONENT)
J2009	QNN0652-001	PIN JACK	DIGIAL IN AUDIO
J2011	QNN0652-001	PIN JACK	AUDIO OUT
K6601	NQR0413-002X	FERRITE BEADS	
K6602	NQR0413-002X	FERRITE BEADS	
K6661	NQR0413-002X	FERRITE BEADS	
K6662	NQR0413-002X	FERRITE BEADS	
K6663	NQR0413-002X	FERRITE BEADS	
K6664	NQR0413-002X	FERRITE BEADS	
X201	CSB503F30	C RESONATOR	
X801	NAX0621-001X	CRYSTAL	16.200MHz

CONNECTOR P.W. BOARD ASS'Y (LCA90353-11A) (SFL-4011A)

⚠Ref No.	Part No.	Part Name	Description Local
IC4201	SN74AHC1G08V-X	IC	
IC4301	RC4558D-X	IC	
D4201	MA8033-X	Z DIODE	
C4202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4210	QETM0JM-228	E CAPACITOR	2200uF 6.3V M
C4303	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4304	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4305	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4306	NEH71CM-476X	E CAPACITOR	47uF 16V M
R4202	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R4203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R4302	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R4303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R4304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R4305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R4306	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)

FRONT CONTROL P.W. BOARD ASS'Y (LCA90351-11A) (SFL-7011A)

⚠Ref No.	Part No.	Part Name	Description Local
Q7701	UN2212-X	DIGI TRANSISTOR	
Q7702	UN2212-X	DIGI TRANSISTOR	
Q7703	UN2110-X	DIGI TRANSISTOR	
Q7704	UN2110-X	DIGI TRANSISTOR	
Q7705	UN2110-X	DIGI TRANSISTOR	
D7011	MA8062/M/-X	Z DIODE	
D7702	HLMPNS30J00-T16	LED	POWER
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7713	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7714	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
CN0008	QGB2542K1-08	CONNECTOR	B-B (1-8)
J7001	QMS3004-C01	H.P.JACK	HEADPHONE
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
S7701	QSW0797-001	TACT SWITCH	CH+
S7702	QSW0797-001	TACT SWITCH	CH-
S7703	QSW0797-001	TACT SWITCH	INPUT
S7704	QSW0797-001	TACT SWITCH	MENU
S7705	QSW0797-001	TACT SWITCH	VOL+
S7706	QSW0797-001	TACT SWITCH	VOL-
S7707	QSW0797-001	TACT SWITCH	POWER

FRONT SENSOR P.W. BOARD ASS'Y (LCA90352-11A) (SFL-8011A)

⚠Ref No.	Part No.	Part Name	Description Local
IC8752	GP1UM281QK	IR DETECT UNIT	38kHz
C8752	NEH71CM-476X	E CAPACITOR	47uF 16V M
R8757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
CN1008	QGB2542J1-08	CONNECTOR	B-B (1-8)

POWER P.W. BOARD ASS'Y (LCA90348-05C) (SFL-9004A)

⚠Ref No.	Part No.	Part Name	Description Local
IC9141	BA05FP-X	IC	
⚠IC9211	FA5500AN-W	IC	
IC9501	F9222L-F219	IC	
⚠IC9541	UTCTL431-T	IC	
IC9602	M62320FP-X	IC	
IC9901	MP1580HS-X	IC	
Q9021	UN2211-X	TRANSISTOR	
Q9151	2SA1530A/QR/-X	TRANSISTOR	
Q9152	2SD601A/QR/-X	TRANSISTOR	
Q9211	2SK3522-01-F1	POWER MOS FET	
Q9212	2SD601A/QR/-X	TRANSISTOR	
Q9213	IMD3A-W	DIGI TRANSISTOR	
Q9215	2SD601A/QR/-X	TRANSISTOR	
Q9216	UN2212-X	DIGI TRANSISTOR	
Q9251	UN2213-X	DIGI TRANSISTOR	
Q9252	UN2213-X	DIGI TRANSISTOR	
Q9501	2SD601A/QR/-X	TRANSISTOR	
Q9502	2SK2071-01S-W	POWER MOS FET	
Q9503	2SD601A/QR/-X	TRANSISTOR	
Q9504	2SK2018-01S-W	POWER MOS FET	
Q9506	UN2213-X	DIGI TRANSISTOR	
Q9541	UN2212-X	DIGI TRANSISTOR	
Q9602	2SB1188/QR/-W	TRANSISTOR	
Q9603	UN2213-X	DIGI TRANSISTOR	
Q9901	2SD601A/QR/-X	TRANSISTOR	
D9001	MA8091/L/-X	Z DIODE	
D9002	S1WB/A/60-X	BRIDGE DIODE	
D9021	MA111-X	SI DIODE	
D9111	S1WB/A/60-4101	BRIDGE DIODE	
D9151	MA8024-X	Z DIODE	
⚠D9201	D25XB60	BRIDGE DIODE	
D9202	MA111-X	SI DIODE	
D9211	YG972S6R	SI DIODE	
D9213	MA111-X	SI DIODE	
D9214	MA111-X	SI DIODE	
D9215	D1FL20U-X	SI DIODE	
D9251	MA3100/M/-X	Z DIODE	
D9252	MA111-X	SI DIODE	
D9253	MA111-X	SI DIODE	
D9254	D1FL20U-X	SI DIODE	
D9501	MA8220/M/-X	Z DIODE	
D9502	MA8110/H/-X	Z DIODE	
D9503	D1FL20U-X	SI DIODE	
D9504	D1FL20U-X	SI DIODE	
D9505	MA8220/M/-X	Z DIODE	
D9507	D1FL20U-X	SI DIODE	
D9508	MA8056/M/-X	Z DIODE	
D9509	SD883-04-X	SB DIODE	
D9510	RD27E/B2/-T5	Z DIODE	
D9511	RD27E/B2/-T5	Z DIODE	
D9512	D1FS4-X	SB DIODE	
D9542	FMB-2306	SB DIODE	
D9544	FMX-22S	SI DIODE	
D9545	FMX-22S	SI DIODE	
D9546	FMB-2306	SB DIODE	
D9901	EC30HA03L-X	SB DIODE	
D9902	MA111-X	SI DIODE	
D9905	D1FL20U-X	SI DIODE	
D9906	PTZ11B-X	Z DIODE	
D9907	RD16E/B/-T5	Z DIODE	
D9908	RD16E/B/-T5	Z DIODE	
D9909	D1FL20U-X	SI DIODE	
D9910	MA111-X	SI DIODE	
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K
⚠C9011	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9013	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M
⚠C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M
⚠C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9151	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
⚠C9197	QCZ9079-102	C CAPACITOR	1000pF AC250V M
⚠C9198	QCZ9079-471	C CAPACITOR	470pF AC250V K
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M

⚠Ref No.	Part No.	Part Name	Description Local
⚠C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M
C9211	QFZ0222-105	MM CAPACITOR	1uF 450V K
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9213	NCB11CK-105X	C CAPACITOR	1uF 16V K
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9219	QCZ0340-331	C CAPACITOR	330pF 2kV K
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C9505	NCB11EK-474X	C CAPACITOR	0.47uF 25V K
C9506	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K
C9509	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M
C9511	QFZ0209-473	MPP CAPACITOR	0.047uF 1000V H
C9541	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9544	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9545	QECQ1EM-188	E CAPACITOR	1800uF 25V M
C9546	QECR1EM-687Z	E CAPACITOR	680uF 25V M
C9547	QECR1EM-687Z	E CAPACITOR	680uF 25V M
C9550	QEHQ1EM-228	E CAPACITOR	2200uF 25V M
C9551	NCB11EK-474X	C CAPACITOR	0.47uF 25V K
C9552	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C9606	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9906	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
C9908	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
C9909	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
C9913	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9914	QTNC1HM-106Z	E CAPACITOR	10uF 50V M
C9915	NCB11EK-104X	C CAPACITOR	0.1uF 25V K
C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
R9003	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9004	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9005	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
R9148	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R9151	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9152	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9154	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R9155	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9156	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
⚠R9199	QRZ0107-685Z	C RESISTOR	6.8MΩ 1/2W K
R9202	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J
R9203	QRG01GJ-561	OMF RESISTOR	560Ω 1W J
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
R9220	QRM059J-R27	MP RESISTOR	0.27Ω 5W J
R9221	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9229	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J

⚠Ref No.	Part No.	Part Name	Description Local
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9257	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
R9501	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9502	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9508	QRT029J-R56	MF RESISTOR	0.56Ω 2W J
R9509	QRM059J-R39	MP RESISTOR	0.39Ω 5W J
R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
⚠R9516	QRZ9009-2R2	FUSI RESISTOR	2.2Ω 1/2W J
R9517	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
R9518	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J
R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J
R9520	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R9529	QRL039J-821	OMF RESISTOR	820Ω 3W J
R9541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9544	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9545	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
R9546	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R9548	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9551	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R9552	QRT029J-1R8	MF RESISTOR	1.8Ω 2W J
R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9628	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9635	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R9637	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9645	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D
R9903	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D
R9905	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R9908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9910	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9911	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9916	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L9141	NQL52EN-4R7X	COIL	4.7uH N
L9201	QQR1468-001	CHOKE COIL	
L9202	QQR1513-001	CHOKE COIL	
L9541	NQL71EM-150X	COIL	15uH M
L9902	NQL80CL-100X	COIL	10uH L
L9903	NQL80CL-100X	COIL	10uH L
L9904	NQL63EM-470X	COIL	47uH M
⚠T9121	QAL0425-001	POWER TRANSF	
⚠T9501	QQS0286-001	SW TRANSF	
⚠T9502	QQS0286-001	SW TRANSF	
CN0006	QGB2501J1-13	CONNECTOR	B-B (1-13)
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
CN00E1	CE41507-001P	LV CONNECTOR	
⚠CP9121	QMFZ052-2R0-E	FUSE	2A AC250V
⚠CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V
⚠F9001	QMF51D2-6R3-J1	FUSE	6.3A AC250V
H9211	LC32819-001A	HEAT SINK/AL-F/	

⚠Ref No.	Part No.	Part Name	Description	Local
H9501	LC32819-001A	HEAT SINK/AL-F/		
H9541	LC32802-001A	HEAT SINK/AL-F/		
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	NQR0413-002X	FERRITE BEADS		
K9502	NQR0413-002X	FERRITE BEADS		
K9503	NQR0413-002X	FERRITE BEADS		
K9504	NQR0413-002X	FERRITE BEADS		
K9505	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9541	NQR0413-003X	FERRITE BEADS		
⚠LF9001	QQR1514-001	LINE FILTER		
⚠LF9002	QQR1467-001	LINE FILTER		
⚠LF9003	QQR1514-001	LINE FILTER		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9541	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9542	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY9021	QSK0119-001	RELAY		
⚠RY9201	QSK0117-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

REGULATOR P.W. BOARD ASS'Y (LCA90349-05B) (SFL-9104A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9801	PQ20WZ11-X	IC		
IC9802	MP1410ES-X	IC		
IC9803	MP1583DN-X	IC		
Q9802	2SD601A/QR/-X	TRANSISTOR		
Q9803	2SD601A/QR/-X	TRANSISTOR		
D9801	D1FS4-X	SB DIODE		
D9803	SD883-04-X	SB DIODE		
D9804	MA111-X	SI DIODE		
D9805	MA3030/H/-X	Z DIODE		
D9806	SD883-04-X	SB DIODE		
D9807	PTZ6.8B-X	Z DIODE		
D9808	MA111-X	SI DIODE		
D9810	PTZ6.8B-X	Z DIODE		
D9813	MA111-X	SI DIODE		
C9801	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9802	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9805	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9809	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9810	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9812	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9813	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9814	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C9818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9819	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9821	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9822	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9824	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	
C9826	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R9801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9802	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9803	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9804	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R9810	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9811	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9812	NRVA02D-473X	CMF RESISTOR	47kΩ 1/10W D	
R9813	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9814	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9815	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9816	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9817	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9818	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9819	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9820	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9822	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9823	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9824	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9825	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9826	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9827	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9828	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9830	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9831	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
L9804	NQL71EM-150X	COIL	15uH M	
L9806	NQL71EM-150X	COIL	15uH M	
L9807	NQL80CL-100X	COIL	10uH L	
CN1006	QGB2501K2-13	CONNECTOR	B-B (1-13)	

DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10428-73A) (SFL-0D106A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC		
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	MT46V2M32V1LG55	IC		
IC3502	MT46V2M32V1LG55	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LV01-26X585	IC(MICRO C ROM)	(SERVICE)	
IC4004	AT24C25626X585D	IC	(SERVICE)	
IC4005	SN74LVC1G08V-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KPC	IC(MCU)		
IC7002	AT24C256-26X585	IC	(SERVICE)	
IC7401	S-80828CLNB-W	IC		
IC7601	M306V7MG-090FP	IC(MCU)		
IC7602	AT24C16-26X585	IC	(SERVICE)	
IC7603	SN74LVC1G04V-X	IC		
IC7607	MM1510XN-X	IC		
IC7608	MM1510XN-X	IC		
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description Local
Q4001	2SC3928A/QR/-X	TRANSISTOR	
Q6501	2SC3928A/QR/-X	TRANSISTOR	
Q7206	UN2213-X	DIGI TRANSISTOR	
Q7207	DTA144EKA-X	DIGI TRANSISTOR	
D1001	EC30HA03L-X	SB DIODE	
D1002	EC30HA03L-X	SB DIODE	
D7001	MA111-X	SI DIODE	
D7003	MA111-X	SI DIODE	
D7005	MA8082/M/-X	Z DIODE	
D7006	MA8082/M/-X	Z DIODE	
D7007	MA8082/M/-X	Z DIODE	
D7008	MA8082/M/-X	Z DIODE	
D7009	MA8082/M/-X	Z DIODE	
D7010	MA111-X	SI DIODE	
D7203	MA111-X	SI DIODE	
D7210	RB501V-40-X	SB DIODE	
D7601	MA111-X	SI DIODE	
D9001	EC30HA03L-X	SB DIODE	
D9003	PTZ3.9B-X	Z DIODE	
D9101	EC30HA03L-X	SB DIODE	
D9102	EC30HA03L-X	SB DIODE	
D9103	PTZ3.9B-X	Z DIODE	
D9104	MA111-X	SI DIODE	
D9201	EC30HA03L-X	SB DIODE	
D9203	PTZ3.9B-X	Z DIODE	
D9204	MA111-X	SI DIODE	
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C4031	NCB11AK-106X	C CAPACITOR	10uF 10V K
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4911	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7012	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7203	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9012	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R4109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6529	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6542	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6543	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6545	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6552	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7614	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0101	NQL092K-2R2X	P COIL	2.2uH K
L0201	NQL092K-2R2X	P COIL	2.2uH K
L0301	NQL092K-2R2X	P COIL	2.2uH K
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1001	NQR0489-002X	FERRITE BEADS	
L1002	NQR0489-002X	FERRITE BEADS	
L1003	NQL092K-1R5X	P COIL	1.5uH K
L1004	NQR0489-002X	FERRITE BEADS	
L1005	NQR0489-002X	FERRITE BEADS	
L1006	NQR0489-002X	FERRITE BEADS	
L1008	NQL79GM-220X	COIL	22uH M
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1011	NQL79GM-470X	COIL	47uH M
L1101	NQL092K-6R8X	P COIL	6.8uH K
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1103	NQL092K-1R0X	P COIL	1uH K
L1201	NQL092K-6R8X	P COIL	6.8uH K
L1203	NQL092K-1R0X	P COIL	1uH K
L1301	NQL092K-6R8X	P COIL	6.8uH K
L1303	NQL092K-1R0X	P COIL	1uH K
L1401	NQL092K-6R8X	P COIL	6.8uH K
L1403	NQL092K-1R0X	P COIL	1uH K
L1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L3001	NQR0489-002X	FERRITE BEADS	
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J

⚠Ref No.	Part No.	Part Name	Description	Local
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3501	NQR0413-003X	FERRITE BEADS		
L4001	NQR0413-003X	FERRITE BEADS		
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6501	NQR0351-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQL71EM-150X	COIL	15uH M	
L9101	NQL71EM-150X	COIL	15uH M	
L9201	NQL71EM-150X	COIL	15uH M	
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)	
J001	NNZ0117-001	HDMI CONNECTOR		
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1004	NQR0489-002X	FERRITE BEADS		
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
LC0524	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC0525	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC6501	NQR0479-001X	EMI FILTER		
LC7001	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC7002	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC7003	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
SL7001	NAX0613-001X	C RESONATOR		
X1001	NAX0642-001X	CRYSTAL		
X3001	NAX0635-001X	CXO		
X3002	NAX0637-001X	CXO	74.1758MHz	
X4001	NAX0669-001X	C RESONATOR		
X7601	NAX0613-001X	C RESONATOR		

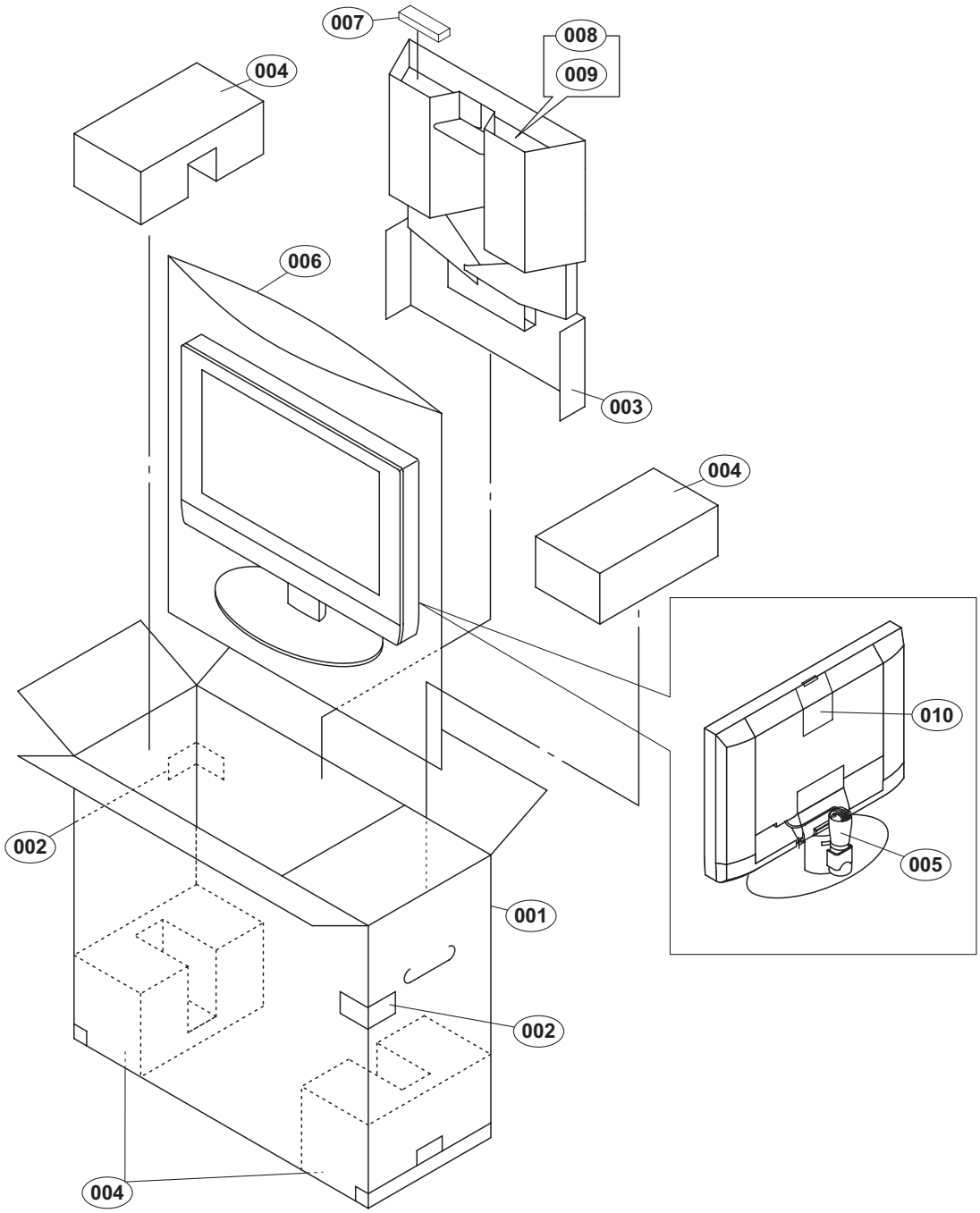
RECEIVER P.W. BOARD ASS'Y (LCA10447-51A) (SFL-0F101A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3101	CXA2205Q-X	IC		
IC3102	RC4558D-X	IC		
IC3106	TPS852-W	PHOTO CONDUCTOR		
Q3001	2SA1530A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
C3001	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3002	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C3003	NEX60JM-227X	E CAPACITOR	220uF 6.3V M	
C3101	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3102	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3104	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3105	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3111	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3114	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3118	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3120	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3121	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3122	NEH71HM-335X	E CAPACITOR	3.3uF 50V M	
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3126	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C3129	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3130	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3131	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3132	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3133	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3134	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3135	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3150	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3155	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3156	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3114	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3133	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3191	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
⚠TU3001	QAU0377-002	TUNER		

REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

⚠Ref No.	Part No.	Part Name	Description	Local
	UR77EC0603	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	001	LC10006-046A	PACKING CASE		
	002	LC20989-001A-H	CORNER LABEL	(x2)	
	003	LC21688-003A	CUSHION		
	004	LC11983-001B	CUSHION ASSY	4pcs in 1set	
	005	QPA01002305	POLY BAG	10cm x 23cm	
	006	GG30097-003A-H	POLY BAG		
	007	RM-C1257G-1H	REMOCON UNIT	Inc.POLY BAG	
	008	QPA02503505P	POLY BAG	25cm x 35cm	
	009	----------	BATTERY	R6P/AA(x2)	
	010	LCT1750-001A	CAUTION SHEET		

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